ORDER NO. FTD970705362C2

# Service Manual

Multi-Scan Color CRT Display MODEL Belnea 10 80 10 (TX-D2171XD-E) (M-2171XD-E) Belnea 10 80 15 (M-1F71XD-ET)

Chassis No. GV3
Chassis Family No.21GV3

# CONTENTS

DIFFERENCE CHART OF MODELS	
SERVICE WARNING	1
SAFETY PRECAUTIONS	
GENERAL INFORMATION	3
SPECIFICATIONS	3
DIMENSIONS	11
DISASSEMBLY INSTRUCTIONS	13
CONTROL LOCATION	16
CAUTION FOR ADJUSTMENT AND REPAIR	17
CAUTION FOR SERVICING	17
ADJUSTMENT AND CHECK PROCEDURE	18
ADJUSTMENT SOFTWARE	20
ADJUSTMENT CONTROL LOCATION	22
REQUIRED ADJUSTMENT PROCEDURE AFTER A PARTS REPLACED	23
ADJUSTMENT PROCEDURE	24
BLOCK DIAGRAM	34
BLOCK DIAGRAMCONDUCTOR VIEW	42
SCHEMATIC DIAGRAM	46
TROUBLE SHOOTING HINTS	59
EXPLODED VIEW	67
REPLACEMENT PARTS LIST	68

# THE DIFERENCES ARE AS FOLLOWS

Model	Belnea (TX-D2171XD-E)	10 80 10 (M-2171XD-E)	Belnea 10 80 15 (M-1F71XD-ET)
Applicable guidelines	TC	D'92	TCO'95
Plastic cabinet material	ABS	+ PVC	PC + ABS
Plastic cabinet shape	(see page	11)	(see page 12)
			<b>00000</b> \$

# **WARNING**

This service information is designed for experienced repair technicians only and is not designed for use by the general public.

It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product.

Products powered by electricity should be serviced or repaired only by experienced professional technicians.

Any attempt to service or repair the product or products dealt within this service information by anyone else could result in serious injury or death.

# SAFETY PRECAUTIONS

#### 1 CAUTION:

No modification of any circuit should be attempted. Service work should only be performed after you are thoroughly familiar with all of the following safety checks and servicing guide lines.

#### 2 SAFETY CHECK

Care should be taken while servicing this CRT display because of the high voltage used in the deflection circuits. These voltages are exposed in such areas as the associated flyback and yoke circuits.

#### 3 FIRE & SHOCK HAZARD

- 3-1 Insert an isolation transformer between the CRT display and AC power line before servicing the chassis.
- 3-2 In servicing pay attention to original lead dress especially in the high voltage circuit. If a short circuit is found, replace all parts which have been overheated as a result of the short circuit.
- 3-3 All the protective devices must be reinstalled per original design.
- 3-4 Soldering must be inspected for possible cold solder joints, frayed leads, damaged insulation, solder splashes or sharp solder points. Be certain to remove all foreign material.

#### 4 LEAKAGE CURRENT COLD CHECK

- 4-1 Unplug the AC cord and connect a jumper between the two prongs on the plug.
- 4-2 Turn the CRT display power switch "on".
- 4-3 Measure the resistance value with an ohmmeter between the jumpered AC plug and each exposed metallic part on the CRT display such as the metal frame, screwheads, control shafts, etc. When the exposed metallic part has a return path to the chassis, the reading should be 1.8 megohm minimum.

#### 5 LEAKAGE CURRENT HOT CHECK

- 5-1 Plug the AC cord directly into the AC outlet. Do not use an isolation transformer during this check.
- 5-2 Connect a 1500 ohm, 10 watt resistor, paralleled by a 0.15µF capacitor between each exposed metallic part and a good earth ground (as shown in Fig.1).
- 5-3 Use an AC voltmeter with 1000 ohm/volt or more sensitivity and measure the AC voltage across the combination 1500 ohm resistor and  $0.15\mu F$  capacitor.
- 5-4 Move the resistor connection to each exposed metallic part and measure the voltage.
- 5-5 Reverse the polarity of the AC plug in the AC outlet and repeat the above measurement.
- 5-6 Voltage measured must not exceed 7.5 volt RMS, from any exposed metallic part to ground A leakage current tester may be used in the above hot check, in which case any current measured must not exceed 5.0 milliamp. In the case of a measurement exceeding the 5.0 milliamp value, a rework is required to eliminate the chance of a shock hazard.

Note: High voltage is present when this CRT display is operating. Always discharge the anode of the picture tube to the display chassis to prevent shock hazard.

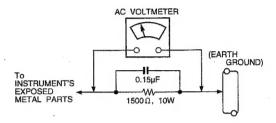


Fig.1

#### **6 IMPLOSION PROTECTION**

Picture tubes are equipped with an integral implosion protection system, but care should be taken to avoid damage and scratching during installation. Use only Panasonic replacement picture tubes.

#### 7 X-RADIATION

WARNING: The only potential source of X-Radiation is the picture tube. However when the high voltage circuitry is operating properly there is no possibility of X-Radiation problem. The basic precaution which must be exercised is to keep the high voltage at the following factory-recommended level.

Note: It is important to use an accurate periodically calibrated high voltage meter.

- 7-1 If can not be adjust (automatic) 27.0 kV at immediate service is required to prevent the possibility of premature component failure.
- 7-2 To prevent X-Radiation possibility it is essential to use the specified picture tube.

#### IMPORTANT SAFETY NOTICE

There are special components used in this CRT displays which are important for safety. These parts are identified by the international symbol on the schematic diagram and on the replacement parts list. It is essential that these critical parts should be replaced with manufacture's specified parts to prevent X-RADIATION, shock, fire or other hazards. Do not modify the original design or this will void the original parts and labor guarantee.

# GENERAL INFORMATION

#### 1. OUTLINE

This monitor is 21 inch (20.0" viewable) multi-scan color CRT display with the following nice features.

Original SSP-LSI (Super Signal Processor) is newly introduced, which optimize the function.

#### 2. FEATURES

#### 2-1 SSP-LSI (Super Signal Processor) Mounted

Precise wave forms are generated for the correction of each geometric distortion.

#### 2-2 Self Optimized-Picture Size and Position

Any non-preset timing will be roughly tuned by SSP-LSI for comfortable size and position.

#### 2-3 Power Saving

Built-in Power Saving function based on VESA-DPMS standard.

Power energy shall be saved by controlling the circuit in accordance with power saving signal from computer.

#### 2-4 OSD (On Screen Display) Function

OSD (5 Languages) function is new and excellent man-machine interface.

Anyone is able to set up the picture as he like through OSD menu.

#### 2-5 Self Test Function

Self Testing picture comes out by pushing any key in the case of no-connection with computer or power saving operation.

This function shows if monitor is alive or not and can be used for self aging test.

#### 2-6 Ergonomic Design

- Low emission design to meet MPR II & TCO'92 (TX-D2171XD-E/M-2171XD-E)/TCO'95(M-1F71XD-ET)
- · ESF (Electrostatic filed) free coating on CRT

#### 2-7 Line Harmonics Compliant with EN61000-3-2

#### 2-8 Multi-Scan with Digital Technology

8-bit micro computer controls the circuit operation to meet with wide range signal of fH=30~115kHz and fv=50~160Hz.

So VGA, SVGA, XGA(1024X768), SXGA(1280X 1024) and UXGA(1600X1200) up to 90Hz refresh rate are applicable.

#### 2-9 1 Factory Preset (+7 Reservation),13 User Memories

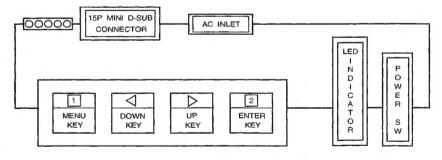
- 1 Standard modes are preset at the factory. 7 modes are reserved at the factory.
- 13 user memories are available to set the user's own timing and display information.

#### 2-10 Flat Face and Fine Dot Pitch

Flat face CRT with fine dot trio pitch 0.25mm (Horizontal: 0.218mm / Vertical: 0.130mm) gives a crispy and comfortable sight of the screen.

# SPECIFICATION -

#### 1. DIAGRAM



- 1.1 POWER SW, LED, ①-key (MENU), △-key (DOWN), D-key (UP), and 2-key (ENTER) are located on the front panel.
- 1.2 Signal connectors and AC inlet are located on the back side of the cabinet.
- 1.3 OSD menu includes the following function.

CONTRAST RECALL V. POSITION **BRIGHTNESS** 

**DEGAUSS** 

V. SIZE

H. POSITION

H. SIZE V. PINCUSHION

**PARALLELOGRAM** TRAPEZOID **ROTATION** COLOR TEMPERATURE DISPLAY FREQUENCY VIDEO INPUT LEVEL H. MOIRE V. MOIRE

VIDEO INPUT SELECT **LANGUAGES** 

※) CONTRAST can be directly controlled with </br>with

\*) With sync signal, OSD menu appears by pushing 1-key and 2-key.

Without sync signal, self test menu appears by pushing any key.

#### 2. MECHANICAL SPECIFICATIONS

.... refer to the attached drawing

2.1 Dimension

Height: 487 mm typ. Width:505 mm typ.

Depth: 519 mm (TX-D2171XD-E) typ.

:508 mm (M-2171XD-E/M-1F71XD-ET) typ.

2.2 Net Weight

28.5 kg

typ.

2.3 Maximum Viewable Phosphor Display Area

(min.)

: 406X304 mm

#### 3. CONNECTORS

3.1 Signal connector

:15P Mini D-Sub connector x1

:BNC CONNECTOR x5 :CEE 22 typed connector

3.2 AC inlet

Pin assignment>



1 ... RED

6 ... GROUND

11 ... GROUND

2 ... GREEN 3 ... BLUE

7 ... GROUND 8 ... GROUND

12 ... SDA (DDC) 13 ... H. SYNC. 9 ... SENSE (DDC) 14 ... V. SYNC

4 ... GROUND 5 ... GROUND (DDC)

10... GROUND

15 ... SCL (DDC)

#### 4. CRT SPECIFICATIONS

Part No.		M51KYY540X, Screen radius:2R		
Туре		21"(20.0" Viewable),90°,ø29.1,in-line gun		
Cathode	)	New Impregnated Quick-Heating Cathode		
Dot Trio	Pitch	0.25mm		
Dot Pito	:h	0.218mm horizontal / 0.130mm vertical		
Bulb		Dark Tint (Total Transmission=39.5%)		
Face Co	pating	New AGRAS Coat		
Shadow	Mask	Advanced Invar Mask		
Implosi	on Protection	Tension-band with Mounting Lugs		
Focusir	g Method	Electrostatic		
Focusir	ig Lens	Bipotential		
Deflecti	on Method	Magnetic		
	Persistence	R,G,B Medium short persistence		
Phos-		(Hi-EU RED)		
phor	Red	x: 0.635 (typical) y: 0.333 (typical)		
- 1	Green	x: 0.280 (typical) y: 0.595 (typical)		
	Blue	x: 0.152 (typical) y: 0.063 (typical)		

#### 5. ELECTRICAL SPECIFICATIONS

#### 5.1 Standard conditions ... Except special items

Display image	Green, full "H" characters with a border line. (7 x 9 dots) Video signal : 100% duty Display area : 380 mm x 285 mm
Video signal level	0.7 V pp
Contrast, Brightness	Contrast : Max., Brightness : Center point
Ambient Temperature	20±5°C (68 ± 9°F)
Input Voltage	AC 120 V, 60 Hz or AC 220 V 50 Hz
Terrestrial magnetism	Vertical field : northern hemisphere field $40\mu T$ (southern hemisphere field $-40\mu T$ ) Horizontal field : no field
Viewing direction	Parallel to the CRT axis
Measurements	After an initial warming up time of more than 30 minutes.
Ambient light	200±50 IX
Display mode	1600 x 1200 (93.75 kHz, 75.00 Hz)

#### 5.2 POWER

#### 5.2.1 Power supply ... Commercial power source

AC 90 - 132 V, AC 198 - 264 V	
50 Hz ± 3 Hz, 60 Hz ± 3 Hz	
2.0 A Max. (at 100-120V AC),	
1.5 A Max. (at 220-240V AC)	
25 A Max. (at 100-120V AC),	
40 A Max. (at 220-240V AC)	
160 W (Typ.)	

#### 5.2.2 Power Management for Power Saving

Power saving system is designed based upon VESA DPMS standard (Version: 1.0)

1) Power consumption and recovery time.

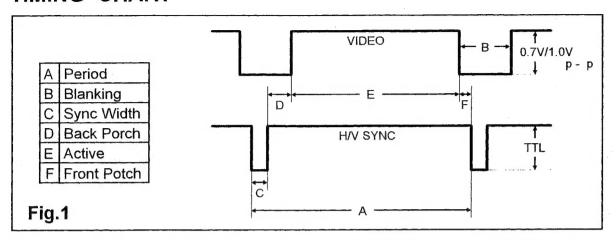
*1 APM	SIGNALS		MONITOR POWER	RECOVERY TIME	INDICATOR		
State	H. Sync	V. Sync	VIDEO	CONSUMP- TION	TO ON STATE	INDIOATOIT	
ON	*3 NOR- MAL	*3 NOR- MAL	*2 ACTIVE	*4 100%		Green	
STAND- BY	No Sync or *5 < 6 kHz	> 40 Hz	BLANK	< 25 W	< 48	Yellow	
SUS- PEND	>10 kHz	No Sync or *5 < 20 Hz	BLANK	< 25 W	< 48	Yellow	
OFF	No Sync or *5 < 6 kHz	No Sync or *5 < 20 Hz	BLANK	< 8 W	< 20\$	Yellow	

- \*\* The transition time from ON state to each APM states is 5 seconds minimum.
- \*1: APM: Advanced Power Management.
- \*2: Measurement Condition of power consumption for ON state: DISPLAY IMAGE: WHITE full "H" characters  $(7 \times 9 \text{ dots})$
- \*3: NORMAL: See "5.4 ACCEPTABLE TIMING".
- \*4: Power Consumption is measured at AC 100-
- \*5: Power saving operation is done at less than specified value in the list.

## 5.3 Standard timing

- Following 1 mode is preset in the memory as standard timing at the factory and 7modes are reserved.
- · Fig-1 shows a definition of timing and signal level.
- Electrical performance is specified based on 1600 x 1200 mode unless otherwise mentioned.

# TIMING CHART



	PRESET		RESERVATION	RESERVATION
	MODE - 1		MODE - 2	MODE - 3
		1600 × 1200 (75)	640 × 480 (60)	800 × 600 (75)
	DOT CLOCK	202.5000 MHz	25.1750 MHz	49.5000 MHz
	fH	93.7500 kHz	31.4688 kHz	46.8750 kHz
	A - PERIOD	10.667 μs ( 2,160 dots )	31.778 µs ( 800 dots)	21.333 µs ( 1,056 dots )
	B - BLANKING TIME	2.765 µs ( 560 dots)	6.356 µs ( 160 dots )	5.172 µs ( 256 dots )
Н	C - SYNC WIDTH	0.948 μs ( 192 dots )	3.813 µs ( 96 dots )	1.616 µs ( 80 dots )
	D - BACK PORCH	1.501 µs ( 304 dots)	1.907 μs ( 48 dots)	3.232 µs ( 160 dots )
	E - ACTIVE TIME	7.901 µs ( 1,600 dots )	25.422 µs ( 640 dots)	16.162 µs ( 800 dots )
	F - FRONT PORCH	0.316 µs ( 64 dots)	0.636 μs ( 16 dots)	0.323 µs ( 16 dots )
	f V	75.0000 Hz	59.9405 Hz	75.0000 Hz
1	A - PERIOD	13.333 ms ( 1,250 lines )	16,683 ms ( 525 lines )	13.333 ms ( 625 lines )
[	B - BLANKING TIME	0.533 ms ( 50 lines )	1.430 ms ( 45 lines )	0.533 ms ( 25 lines )
V	C - SYNC WIDTH	0.032 ms ( 3 lines )	0.064 ms ( 2 lines )	0.064 ms ( 3 lines )
1	D - BACK PORCH	0.491 ms ( 46 lines )	1.049 ms ( 33 lines )	0.448 ms ( 21 lines )
	E - ACTIVE TIME	12.800 ms ( 1,200 lines )	15.253 ms ( 480 lines )	12.800 ms ( 600 lines )
	F - FRONT PORCH	0.011 ms ( 1 lines )	0.318 ms ( 10 lines )	0.021 ms ( 1 lines )
	SYNC POLARITY(H/V)	Positive / Positive	Negative / Negative	Positive / Positive

	RESERVATION	RESERVATION	RESERVATION
	MODE - 4	MODE - 5	MODE - 6
	1024 × 768 (75)	MAC 1152 × 870 (75)	1280 × 1024 (60)
DOT CLOCK	78.7500 MHz	100.0000 MHz	108.5000 MHz
f H	60.0229 kHz	68,6813 kHz	63,9741 kHz
A - PERIOD	16.660 µs ( 1,312 dots )	14.560 µs ( 1,456 dots )	15.631 µs ( 1,696 dots )
B - BLANKING TIME	3.657 µs ( 288 dots )	3.040 µs ( 304 dots)	3.834 µs ( 416 dots)
H C - SYNC WIDTH	1.219 µs ( 96 dots)	1.280 µs ( 128 dots)	1.180 µs ( 128 dots )
D - BACK PORCH	2.235 µs ( 176 dots )	1.440 µs ( 144 dots)	2.065 µs ( 224 dots )
E - ACTIVE TIME	13.003 µs ( 1,024 dots )	11.520 µs ( 1,152 dots )	11.797 µs ( 1,280 dots )
F - FRONT PORCH	0.203 µs ( 16 dots)	0.320 μs ( 32 dots)	0.590 µs ( 64 dots )
f V	75.0286 Hz	75.0616 Hz	60.0132 Hz
A - PERIOD	13.328 ms ( 800 lines )	13.322 ms ( 915 lines )	16.663 ms ( 1,066 lines )
B - BLANKING TIME	0.533 ms ( 32 lines )	0.655 ms ( 45 lines )	0.657 ms ( 42 lines )
V C - SYNC WIDTH	0.050 ms ( 3 lines )	0.044 ms ( 3 lines )	0.047 ms ( 3 lines )
D - BACK PORCH	0.466 ms ( 28 lines )	0.568 ms ( 39 lines )	0.594 ms ( 38 lines )
E - ACTIVE TIME	12.795 ms ( 768 lines )	12.667 ms ( 870 lines )	16.006 ms ( 1,024 lines )
F - FRONT PORCH	0.017 ms ( 1 lines)	0.044 ms ( 3 lines )	0.016 ms ( 1 lines )
SYNC POLARITY(H/V)	Positive / Positive	Negative / Negative	Positive / Positive

		RESERVATION	RESERVATION
	,	MODE - 7	MODE - 8
		1280 × 1024 (75)	1600 × 1200 (90)
	DOT CLOCK	135.0000 MHz	243.0000 MHz
	f H	79.9763 kHz	112.5000 kHz
	A - PERIOD	12.504 µs ( 1,688 dots )	8.889 µs ( 2,160 dots )
	B - BLANKING TIME	3.022 µs ( 408 dots )	2.305 µs ( 560 dots )
Н	C - SYNC WIDTH	1.067 µs ( 144 dots )	0.790 µs ( 192 dots )
	D - BACK PORCH	1.837 µs ( 248 dots )	1.251 µs ( 304 dots )
	E - ACTIVE TIME	9.481 µs ( 1,280 dots )	6.584 µs ( 1,600 dots )
	F - FRONT PORCH	0.119 µs ( 16 dots )	0.263 µs ( 64 dots )
	fV	75.0247 Hz	90.0000 Hz
	A - PERIOD	13.329 ms ( 1,066 lines )	11.111 ms ( 1,250 lines )
	B - BLANKING TIME	0.525 ms ( 42 lines )	0.444 ms ( 50 lines )
V	C - SYNC WIDTH	0.038 ms ( 3 lines )	0.027 ms ( 3 lines )
	D - BACK PORCH	0.475 ms ( 38 lines )	0.409 ms ( 46 lines )
	E - ACTIVE TIME	12.804 ms ( 1,024 lines )	10.667 ms ( 1,200 lines )
	F - FRONT PORCH	0.013 ms ( 1 lines )	0.009 ms ( 1 lines )
	SYNC POLARITY(H/V)	Positive / Positive	Positive / Positive

		ADJUSTMENT	ADJUSTMENT	ADJUSTMENT
		GV3 - 1	GV3 - 2	GV3 - 3
	DOT CLOCK	22.6000 MHz	64.0442 MHz	134.9800 MHz
	f H	29.5039 KHz	54.0002 KHz	82.5061 KHz
	A - PERIOD	33.894 µs ( 766 dots )	18.518 µs ( 1,186 dots )	12.120 µs ( 1,636 dots )
	B - BLANKING TIME	6.018 µs ( 136 dots )	4.513 µs ( 289 dots )	3.230 µs ( 436 dots )
Н	C - SYNC WIDTH	4.115 µs ( 93 dots )	1.718 µs ( 110 dots )	1.096 µs ( 148 dots )
	D - BACK PORCH	1.593 µs ( 36 dots )	2.498 µs ( 160 dots )	1.852 µs ( 250 dots )
	E - ACTIVE TIME	27.876 µs ( 630 dots )	14.006 µs ( 897 dots )	8.890 µs ( 1,200 dots )
	F - FRONT PORCH	0.310 µs ( 7 dots )	0.297 μs ( 19 dots )	0.282 µs ( 38 dots )
	fV	48.0520 Hz	77.0331 Hz	125.9635 Hz
	A - PERIOD	20.811 ms ( 614 lines )	12.981 ms ( 701 lines )	7.939 ms ( 655 lines )
	B - BLANKING TIME	0.915 ms ( 27 lines )	0.741 ms ( 40 lines )	0.485 ms ( 40 lines )
V	C - SYNC WIDTH	0.102 ms ( 3 lines )	0.111 ms ( 6 lines )	0.048 ms ( 4 lines )
	D - BACK PORCH	0.712 ms ( 21 lines )	0.519 ms ( 28 lines )	0.364 ms ( 30 lines )
	E - ACTIVE TIME	19.896 ms ( 587 lines )	12.241 ms ( 661 lines )	7.454 ms ( 615 lines )
	F - FRONT PORCH	0.102 ms ( 3 lines )	0.111 ms ( 6 lines )	0.073 ms ( 6 lines )
	SYNC POLARITY(H/V)	Negative / Negative	Negative / Negative	Negative / Negative

# **ADJUSTMENT**

		GV3 - 5
	DOT CLOCK	241.2000 MHz
	fH	115.4619 KHz
	A - PERIOD	8.661 µs ( 2,089 dots )
	B - BLANKING TIME	2.189 µs ( 528 dots )
Н	C - SYNC WIDTH	0.759 µs ( 183 dots )
	D - BACK PORCH	1.356 µs ( 327 dots )
1	E - ACTIVE TIME	6.472 µs ( 1,561 dots )
	F - FRONT PORCH	0.075 µs ( 18 dots )
	fV	164.9456 Hz
	A - PERIOD	6.063 ms ( 700 lines )
	B - BLANKING TIME	0.442 ms ( 51 lines )
V	C - SYNC WIDTH	0.026 ms ( 3 lines )
	D - BACK PORCH	0.398 ms ( 46 lines )
	E - ACTIVE TIME	5.621 ms ( 649 lines )
L	F - FRONT PORCH	0.017 ms ( 2 lines )
	SYNC POLARITY(H/V)	Negative / Negative

#### 5.4 Acceptable timing

 If your timing is within following specification, this CRT display can automatically function with a certain size and position.

Horizontal: Sync frequency: 30.0 ~ 115.0 kHz

Blanking Time: ≥ 2.1 µs

Back Porch: ≥ 1.2 µs

Front Porch: ≤ Back Porch

Sync Width: ≥ 0.7 µs

Vertical:

Sync frequency: 50.0 ~ 160.0 Hz

Blanking Time: ≥ 0.44 ms Back Porch: ≥ 0.4 ms Sync Width: ≥ 0.02 ms

 Several items like size, position and distortion can be adjusted through OSD menu, and if you want to keep it, please push the key 1 for memory, or keep the key untouched for about 20 seconds, it is automatically memorized.

NOTE: In case of RECALL, the key is untouched for about 30 seconds, RECALL function will be cancelled.

Please note, however, that there is the case you can not get the size and/or position you want, (for example, in case Display video Time is too short, you can't get bigger size of the image.)

 The CRT adopted in this CRT display is designed to minimize the moire phenomenon at suitable size for typical display modes. However, there might be a display format among many formats, in which the moire phenomenon appears on this display.

#### 5.5 Signal level and input impedance

#### 5.5.1 Video Signal level

- •This CRT display is adjusted at the factory using 0.7V p-p Video Signal, Black level is 0V.
- This CRT display is compatible with 1.0V p-p Video Signal by using Video input level selection.

#### 5.5.2 Sync Signal level

•H/V Separate, H/V Mixed : TTL level •Sync on Green : 0.3 V p-p ± 0.015 V

#### 5.5.3 Input impedance

•Video input: 75  $\Omega$ •Sync input:  $\geq$  1 k $\Omega$ 

#### 5.6 Display performance

5.6.1 Display area

1) PRESET TIMING

MODE 1, 1600 x 1200 @75Hz

WIDTH:  $380 \text{ mm} \pm 5 \text{ mm}$ HEIGHT:  $285 \text{ mm} \pm 5 \text{ mm}$ 

2) RESERVATION TIMING

MODE 2, 640 x 480 @60Hz

WIDTH:  $380 \text{ mm} \pm 7 \text{ mm}$ HEIGHT:  $285 \text{ mm} \pm 7 \text{ mm}$ 

MODE 3, 800 x 600 @75Hz

WIDTH :  $380 \text{ mm} \pm 7 \text{ mm}$ HEIGHT :  $285 \text{ mm} \pm 7 \text{ mm}$ 

MODE 4, 1024 x 768 @75Hz

WIDTH :  $380 \text{ mm} \pm 7 \text{ mm}$ HEIGHT :  $285 \text{ mm} \pm 7 \text{ mm}$ 

MODE 5, 1152 x 870 @75Hz

WIDTH :  $380 \text{ mm} \pm 7 \text{ mm}$ HEIGHT :  $285 \text{ mm} \pm 7 \text{ mm}$ 

MODE 6, 1280 x 1024 @60Hz

WIDTH :  $355 \text{ mm} \pm 7 \text{ mm}$ HEIGHT :  $284 \text{ mm} \pm 7 \text{ mm}$ 

MODE 7, 1280 x 1024 @85Hz

WIDTH :  $355 \text{ mm} \pm 7 \text{ mm}$ 

HEIGHT :  $284 \text{ mm} \pm 7 \text{ mm}$ 

MODE 8, 1600 x 1200 @85Hz

WIDTH : 380 mm ± 7 mm HEIGHT : 285 mm ± 7 mm

3) FULL SCAN

WIDTH: 406 mm HEIGHT: 304 mm

#### 5.6.2 Centering

1) PRESET TIMING (MODE1)

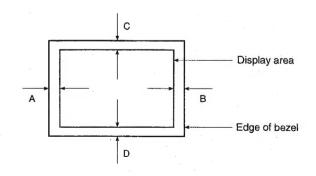
 $IA - BI \le 4.0 \text{ mm}$ 

 $IC - DI \le 4.0 \text{ mm}$ 

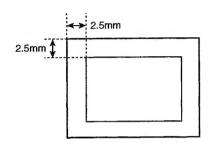
2) RESERVATION TIMING (MODE2~8)

 $IA - BI \le 7.0 \text{ mm}$ 

 $IC - DI \le 7.0 \text{ mm}$ 

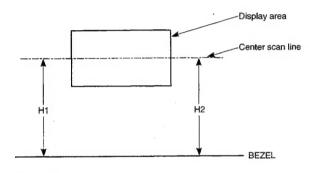


# 5.6.3 Distortion Inside 2.5mm frame



#### 5.6.4 Rotation

 $|H1 - H2| \le 2.5 \text{ mm}$ 



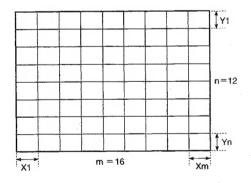
#### 5.6.5 Linearity

Horizontal linearity

$$=\frac{X \text{ max.} - X \text{ min.}}{X \text{ max.} + X \text{ min.}} \times 100 \% \le 7 \%$$

Vertical linearity

$$= \frac{Y \text{ max.} - Y \text{ min.}}{Y \text{ max.} + Y \text{ min.}} \times 100 \% \le 6 \%$$



#### <Conditions>

Display image ----- crosshatch pattern

Maximum and minimum values should not be adjacent to each other.

X max. is maximum value among X1~Xm X min. is minimum value among X1~Xm

Y max. is maximum value among Y1~Yn Y min. is minimum value among Y1~Yn

#### 5.7 General performance

5.7.1 Maximum pixel clock 250.0 MHz

#### 5.7.2 Maximum luminance

	100 cd/m² (min.) for 5% white field at the		
	center of the display area.		
Value	90 cd/m2 (min.) for 100% white field at the		
	center of the display area.		
	Specified by 9300 K + 8 MPCD		
	Display image : White flat field		
Conditions	Luminance : Max. (Contrast : Max.)		
	(Brightness : Center point)		

#### 5.7.3 Minimum luminance

	≤ 17 cd/m² at the center of the display
Value	area.
	Specified by 9300 K + 8 MPCD
	Display image : White full flat field
Conditions	Luminance : Min. (Contrast : Min.)
	(Brightness : Center point)

#### 5.7.4 Brightness variation

Value	75 % (Min.) \	/ariation :	= C/A X 100
	Display image	e : White	full flat field
	Luminance	: Max.	(Contrast : Max.)
Conditions		(Brightr	ess : Center point)
o o rigition o	A; Luminanc	e at cente	er position
	C ; Luminanc	e at posit	ion of lowest
	brightnes	S	

#### 5.7.5 Display area regulation

	Display area variation	Range of variation
Due to	within 1.0 %	17~100 cd/m <sup>2</sup>
Luminance		(white flat field)
Due to	within 0.5 %	AC: 90-132 V
Power Supply		or 198-264 V
Due to	within 1.5%	20 ° C ± 20° C
Temperature		

#### 5.7.6 Color Point

< Conditions >

Display image: White flat field at the center of

the display area.

: Brightness center point. Luminance

Contrast	max	min
	9300 K + 8 MPCD	9300 K + 8 MPCD
Value	$x = 0.283 \pm 0.020$	$x = 0.283 \pm 0.020$
	$y = 0.298 \pm 0.020$	$y = 0.298 \pm 0.020$

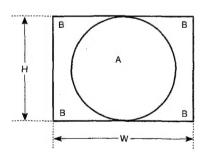
#### 5.7.7 Misconvergence

Center area of display

(A): 0.30 mm (Max.)

Corner area of display

(B): 0.40 mm (Max.)



#### <Conditions>

Display image

: Crosshatch pattern mixed

with R, G and B colors.

Convergence gauge: KLEIN CM7AG or equiva-

lent.

Display area

: W x H 380 x 285 mm

#### 5.7.8 White Uniformity

 $xa - xc \le \pm 0.015$ 

xa:x coordinate at CRT center

xc:x coordinate at the any other point

 $ya - yc \le \pm 0.015$ 

ya:y coordinate at the CRT center yc:y coordinate at the any other point

<Conditions>

Display :White flat field

Luminance: 100 cd/m² at the center of display area

Display area:380 x 285 mm

#### 5.7.9 Purity

Conspicuous mislanding shall not be visible within display area at a distance of 60cm from CRT surface.

<Conditions>

Display image: Red / Green / Blue flat field

and White field

Luminance : Contrast max, Brightness

Center point

Display area : 380 x 285 mm

#### 5.7.10 Jitter

Invisible at a distance of 60 cm from CRT surface.

#### 6. ENVIRONMENTS

#### 6.1 Ambient temperature, humidity and altitude

	Operating	Storage and	
		shipment	
Temperature	0 ~ 40° C	−20 ~ +60° C	
	(32 ~ 104° F)	(-4 ~ 140° F)	
Humidity	5 ~ 90 % *	5 ~ 90 % *	
Altitude	3,000 m (Max.)	12,000 m (Max.)	
	(10,000 ft)	(40,000 ft)	

\* Non - condensation

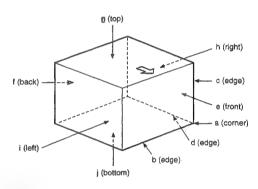
#### 6.2 Vibration and shock

#### 6.2.1 Vibration

	Order	Dire	ection	Acce	leration			
	of	,	of	Non-	Storage and	Frequency	Sweep	Test time
	tests	vibr	ation	operation	shipment			
	1	Vertical	Up to					30 min,
	<u>'</u>	Vertical	down		/			30 min,
Unpacked	2		Front to	2.9 m/s <sup>2</sup>		5 - 55 Hz	120 s	
Unipacked	2	Horizontal	back	(0.3 G)		3-33112	1203	15 min
	3	Honzontai	Right to					15 min.
1	3		left		_ i			
	1	Vertical	Up to		12.3 m/s <sup>2</sup>			40 min.
		Vertical	down		(1.25 G)			40 mm.
Doolood	2		Front to			5 - 50 Hz	910.0	
Packed	2	Llevimentel	back		7.4 m/s <sup>2</sup>	5 - 50 FiZ	810 s	20 min
		Horizontal -	Right to	] /	(0.75 G)		Logsweep	20 min.
	3		left					

#### 6.2.2 Shock (Drop test)

Unpacked	20 G	One time for each face (	6 faces)	(non-operation)
Packed	Order of drop	Face to drop is to face the floor. (See the figure)	Height	Number of drop
	1	a, b, c, d, e, g, h, i	46 cm	1 time for
	2	j	55 cm	each



#### 7. REGULATORY STANDARDS

#### 7.1 Safety standards

Applicable standards

- •UL 1950, Listing
- •CSA 22.2 No. 950, Certification
- •TüV (EN60950, IEC950) / GS (ZH1)
- •NORDIC (SEMKO, NEMKO, DEMKO, FIMKO)

#### 7.2 X-ray standards

Applicable standards

- •DHHS, 21 CFR Subchapter J
- •HC (HWC)
- •PTB; Approval

#### 7.3 EMC standards

Applicable standards

- •VCC I class 2
- •FCC part 15, subpart B, class B (up to 101 kHz)
- •IC (DOC) class B

(up to 101 kHz)

- •CISPR 22 class B (EN55022)
- •CE Marking

### <EMI test pattern>

White, full "H" characters (9x14 dots), block (12x24 dots)

#### 8. OTHERS

Applicable programs

- •MPR II Radiation
- •TCO '92 (TX-D2171XD-E/M-2171XD-E)/ TCO' 95 (M-1F71XD-ET)
- Energy Star
- •ISO9241-3 (Ergonomics)

#### 9. POWER CORD

•Northern Hemisphere Version ··· UL/CSA approved power cord (North America and Japan) (Wall Type)

•European Version

· · · VDE approved power cord

(PC Type)

Australia, NewZealand Version ··· None

#### 10. SIGNAL CABLE

Signal cable with Mini D-Sub 15P connectors at both ends.

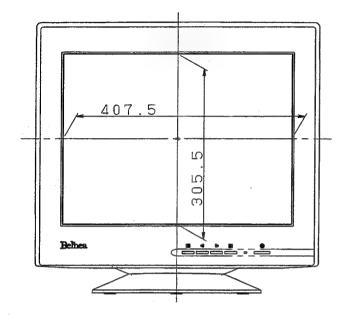
Length: 1.5 meter (4.92 feet)

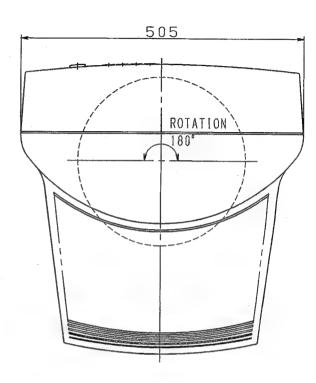
#### 11. RELIABILITY

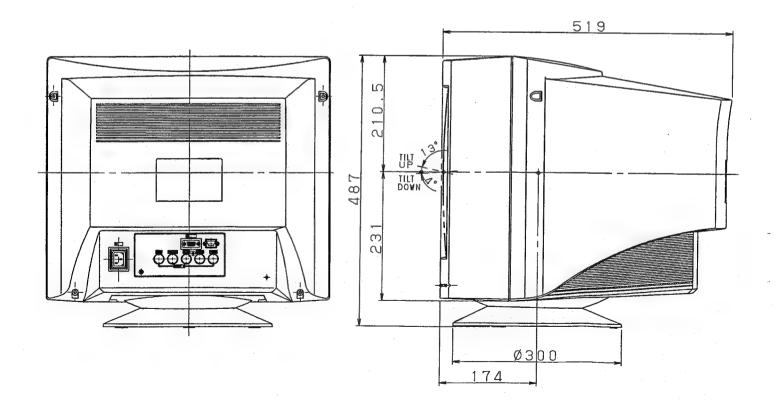
>55,000hrs (demonstrated MTBF)

# **DIMENSIONS**

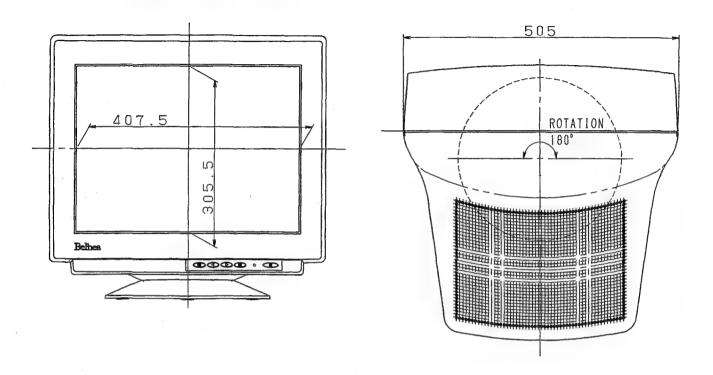
# MODEL: Belnea 10 80 10 (TX-D2171XD-E)

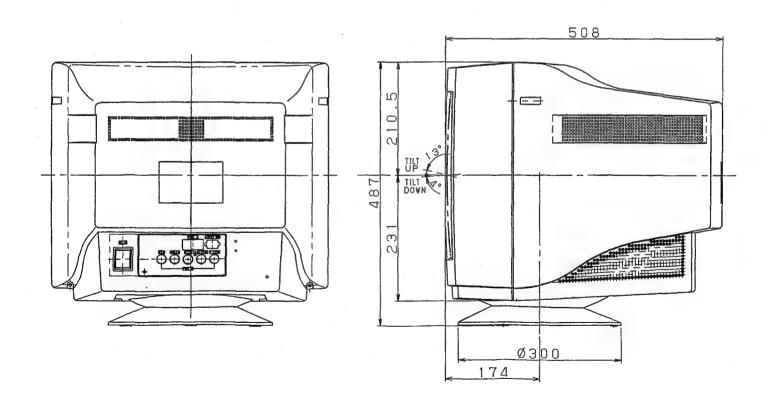






# MODEL: Belinea 10 80 10 (M-2171XD-E) Belinea 10 80 15 (M-1F71XD-ET)





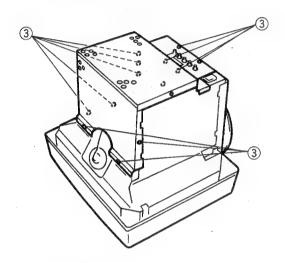
# DISASSEMBLY INSTRUCTIONS

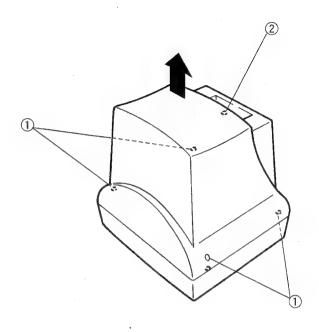
The illustrations of "DISASSEMBLY INSTRUCTIONS" are those of Model; Belinea 10 80 10(TX-D2171X-D-E)

#### 1. Rear cover removal

Note: Spread a mat underneath to avoid damaging the CRT surface.

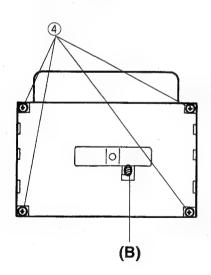
- 1) Remove four large screws ① and small screw ② from the rear cover.
- 2) Remove the cover.
- 3) Remove 13 screws 3 from the shield case.
- 4) Remove the shield case.

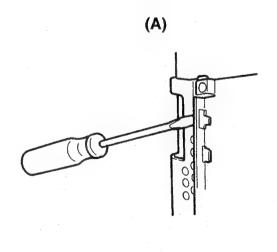




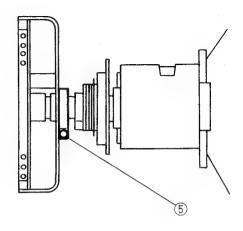
## 2. Video PCB removal

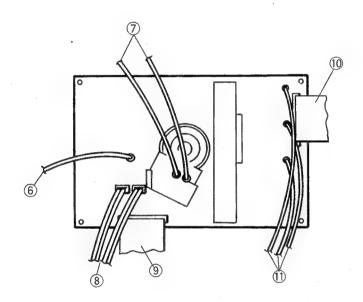
- 1) Remove four screws 4 securing the shield cover.
- 2) Desolder (B) and Remove the shield cover (A).

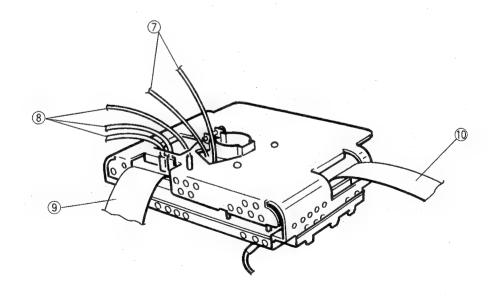




- 3) Loosen the screw ⑤ securing the CRT neck and the shield case.
- 4) Remove the PCB block from the CRT.
- 5) Remove the N651B connector 6.
- 6) Remove two focus leads 7.
- 7) Remove ground connector ® (N106, N107A) connected to the PCB.
- 8) Remove N1010A connector 9.
- 9) Remove N1013A connector 10.
- 10) Remove RGB connector ①.
- 11) Remove the PCB from the shield case.

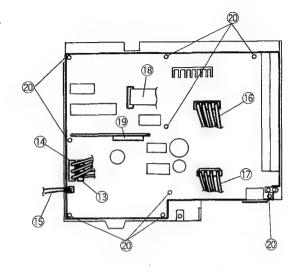






#### 3. Main PCB Removal

- 1) Remove the connector 12 located bottom right.
- 2) Lift and pull out for main PCB block.
- 3) Remove the connector (3) N901 and (4) N902 of the degauss coil.
- 4) Remove the connector (§ N991 of the tilt coil.
- 5) Remove the connector (6 N510 of th DY.
- 6) Remove the connector ① N802A of the power switch.
- 7) Remove the connector 18 N601A of the EHT PCB.
- 8) Remove the connector (9) N1013A of the video PCB.
- 9) Remove the fitting metal and the PCB from bottom plate.
- 10) Remove nine screws 20.



#### 4. EHT PCB Removal

- 1) Remove 4 screws 2.
- 2) Remove the anode cap.
- 3) Remove the connector @ N102B of the front switch.
- 4) Remove the connector 3 N12 of the radiator and pick up PCB.
- 5) Remove the connector 4 N601B of the main PCB.
- 6) Remove the connector 25 N651A of the video PCB.
- 7) Remove the connector @ N1017B of the GND.
- 8) Remove 5 screws 2.
- 9) Remove EHT PCB from bottom plate.

#### CONTROL LOCATION Basic operation of parts Control panel 2 1 (1)\_\_ Names of control 2 key Pilot LED Power switch 1 key ◀ key key **Functions** Lights when power switch is pressed; (1)To display contrast menu; to goes out when it is pressed again. adjust contrast. Operation / Display of the Power (2)To adjust level of selected item. Saving Function. To switch on and To display main menu: quit menu. Store Selected or switch change off the display unit. change data in the memory. data. For a detailed description of the functions of the 1 key, ◀ key, ▶ key, and 2 key, refer to the next section onward. Examples of on-screen operation A. Contrast adjustment Display changes Steps of operation On-screen display changes < Contrast menu > 1. Display the contrast adjustment menu using the ◀ key or ▶ key. CONTRAST 1 Set the desired state using the ◀ key or ▶ key. If the 1 key is pressed, the set data is stored in the memory and the menu screen is cleared. B. H. size adjustment Steps of operation On-screen display changes Display changes < Menu > 1. Call the main menu on the screen by <del>\</del> Я €> pressing the 1 key. - $\prod$ t□↓ 9/6 $\sim$ (<del>0</del>47) 2. Move to cursor to H. SIZE using the ◀ key or +}}-?₹ ▶ key, then press the 2 key to select. CONTRAST < Sub menu > 3. Set the desired state using the ◀ key or H. SIZE ▶ key. If the 1 (EXIT) key is pressed, the set data is stored in the memory and the menu EXIT:[1] @/**=**:(2) screen is cleared. Main menu RECALL BRIGHTNESS DEGAUS CONTRAST •(1) \* Ø ❖ V.POSITION V SIZE H.POSITION H.SIZE V.PINCUSHION TRAPEZOID PARALLELOGRAM ROTATION $\Box$ †□↓ $\sim$ Ϋ́Θ 9% COLOR SELECT DISPLAY FREQUENCY VIDEO INPUT LEVEL VIDEO INPUT SELECT 75

CONTRAST

H.MOIRE

V.MOIRE

LANGUAGES

CONTRAST

## CAUTION FOR ADJUSTMENT AND REPAIR-

- 1. Degaussing is inevitably required at purity adjustment or convergence adjustment.
- 2. If you check or adjust electrical specification or function, more than 20 minutes burn-in is required.
- 3. Reforming of the lead wire is required after your repair work.
- 4. Prior to starting work, be sure to check that the input signal is at the specified timing and that the polarity is as specified in all modes.
- 5. Brightness control: After mounting the rear cover, brightness tends to decrease about 5 cd/m² on a flat white field and about 1 cm/m² on a white raster field. This should be taken into consideration.
- Brightness stabilizing time: It takes about 20 to 50 seconds for the brightness to stabilize after turning the power off for 5 seconds (AC). Therefore, care should be taken to this.
- 7. Aging should be made in white raster of 30 ~ 50 cd/m² and raster size, 402 x 301 mm before adjusting the ITC.
- 8. Set the CONTRAST to MAX and BRIGHTNESS to CENTER using the O.S.D.

## CAUTION FOR SERVICING

When servicing or replacing the CRT, high voltage sometimes remains on the anode. So, completely discharge high voltage before servicing or replacing the CRT so as to prevent a shock to the service person.

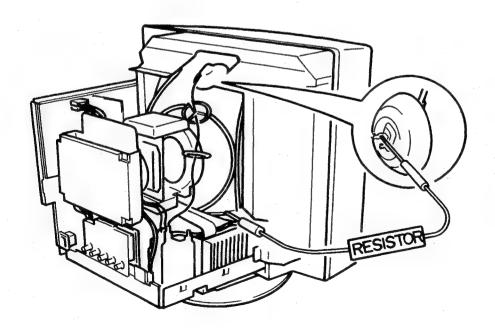
#### **CRT Anode Discharge**

- When you check the CRT anode or replace the CRT, discharge the CRT anode to the external conductive coating (aquadag) of CRT, especially when checked right after power turn-off.
- 2. Ground one end of a jumper wire which has a resistor (30 kV < resisting pressure 100 M $\Omega$ ) and connect the other point to the CRT anode.

Note: Grounding must be done first.

This model has a section that does not share a common ground with the power supply section. The different sections are referred to as the HOT section and the COLD section in the precautions below.

- Do not touch the HOT section and the COLD section at the same time. You may be hit by an electric shock.
- Do not short the HOT section to the COLD section. This could blow the fuse or damage parts.
- Never measure the HOT section and the COLD section at the same time when using tools such as oscilloscopes or multimeters.
- 4. Always unplug the unit before beginning any operation such as removing the chassis.



# ADJUSTMENT AND CHECK PROCEDURE

#### INTRODUCTION

 This monitor is controlled by a microcomputer. With the exception of purity/convergence/focus all is digitally adjusted.

Therefore a computer, the dedicated control software, the dedicated interface, a 9~12 V power supply, and a signal generator are required servicing.

#### **TOOLS REQUIRED**

#### Computer

The control software is IBM PC compatible only. Therefore, it is not compatible with any other operating systems. For further information please contact our sales office.

#### Control Software

The GV3 chassis can only use adjustment program disk for this model. No other program can access the EEPROM on the monitor. For further information please contact our sales office.

#### Interface

The interface is dedicated to work only with the control software and the HV and GV chassis. There are no substitutes for this interface. For further information please contact our sales office.

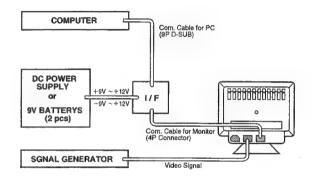
#### Power Supply

A DC  $9\sim12$  V ( $+9\sim12$  V/ $-9\sim12$  V) power supply is required for operating the interface.

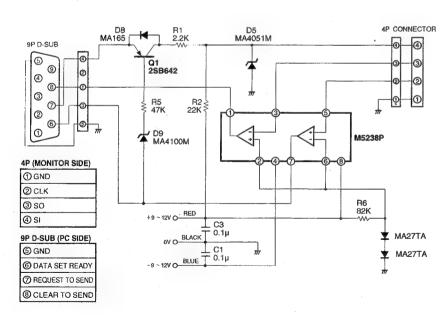
#### Signal Generator

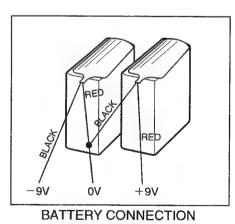
It is necessary for you to use a signal generator which operates on fH 115 kHz, fv 160 Hz, and fc 250 MHz bands.

#### INTERFACE CONNECTION



#### **INTERFACE SCHEMATIC DIAGRAM**





#### **OTHER TOOLS**

Oscilloscope (dual trace)

Scope probe – Attenuation: 100:1

Attenuation: 10:1

• Digital Voltmeter - Range: 0 to 1000 V DC

Accuracy: 0.1 %

• TV color Analyzer II - that reads luminance and chromaticity X and Y coordinates.

· Digital High Voltmeter

AC power supply – Output voltage: 0 to 300 V

Degaussing coil

Convergence meter

Scale

· Double-faced scale

• Microscope - Scale factor: 50

White racquer (Paint)

#### STANDARD CONDITION OF ADJUSTMENT **PROCEDURE**

 Signal timing : Standard timing 1600 x 1200

(See page 5)

· Display pattern:

White, full "H" character

· Signal level:

V/H: TTL level video: 700 mV

• Input source :

AC 120 V. 60 Hz

Ambient temperature :

Room temperature

• Warm-up time :

More than 30 minutes

• Brightness control:

Center

· Contrast control:

Max.

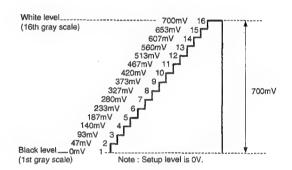
• Magnetic field:

Vertical: 40 µT Horizontal: 0 µT

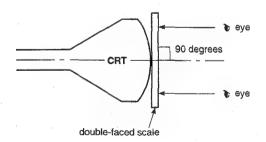
· Signal cable:

Attached

Video input signal from PC.



- Use a Helmholtz device to adjust an unit with no horizontal magnetic field and a vertical field of 40 µT. Inspect the unit under the same conditions.
- The ambient illuminance must be 200 lux.
- · Use an external degaussing coil any time the DEGAUSS switch does not remove color shading.
- · To check the image width, height, linearity and distortion, proceed as below.



Measure level with respect to tube axis.

## ADJUSTMENT SOFTWARE

#### 1. Software operating procedure

- A) Remove the rear cover of the monitor.
- B) Power on the computer and monitor.
- C) Connect the Communication cable for monitor adjustment.
- D) Insert the adjustment disk into the drive.
- E) At the A:> on the DOS prompt type "VSR", then press [ENTER].
- F) Refer to the adjustment procedures.

#### 2. Adjustment Program

Main Meni	u of Adjustment Program		
<<	TX-D2171 ADJUST PROGRAM	MAIN MENU>> (e: exit)	<ver 6.0=""></ver>
1)	Initial CHECK	6) Information	
2)	OSC DATA SET	<ol><li>Preset Editor</li></ol>	
3)	VSR .	8) ADJ VIDEO 1.0Vpp	
4)	VIDEO	9) COLOR ADJUST	

5) EEPROM

9) COLOR ADJUST10) DAF ADJUST

#### Description of Function of Each Menu

#### 1) Initial check

• The communication port is changed over from DDC use to servicing use.

Normally, this port is set for DDC use. When this item is selected, switched to the service use by transmitted for switching command. When this transmission is successful, the computer screen is cleared and a message of "HIT RETURN KEY >" is displayed.

- When the RETURN key is pressed at this stage, chassis discrimination is carried out. If there is OK, the main menu is recovered and various controls from computer become possible. If the connected monitor is other than GV3 chassis, a message of "This is not GV3 chassis" is displayed and execution is stoped.
- If this menu is selected and a communication error occurs, examine communication cable connections and check the power supply for the communication cable and monitors.
- This port is set for DDC use after the monitor's power switch has been turned on. Therefore, transmission of this command is needed prior to adjustments.

#### 2) OSC data set

This is a menu intended to set up automatic VCO adjusting data in the PLL for horizontal and vertical oscillation, incorporated in the SSP (Super Signal Processor). When this item is selected, a command for data setting is transmitted to the monitor. It takes about 5 seconds to set up data. During this period, monitor screen is cleared. Upon completion of setting, a message of "HIT RETURN KEY >" is displayed in the computer screen.

#### 3) VSR (Variable Scan Rate)

To achieve stabilized operation and high performance throughout the working frequency range, the frequency band is split into 4 positions. In each position, adjustments for major items are performed and the result is saved in the EEPROM as interpolation data. In this model, the following frequencies are specified for VSR adjustments. With frequencies other than those specified below, adjustment is disabled.

Signal name	Adjust mode	Horizontal frequency	Vertical frequency
GV3-1	INTP0	29.5kHz	48.0Hz
GV3-2	INTP1	54.0kHz	77.0Hz
GV3-3	INTP2	82.5kHz	126.0Hz
GV3-5	INTP3	115.5kHz	165.0Hz

#### 4) Video

This is a menu for CRT cut-off and brightness adjustments. Focus adjustment is also effected in this menu.

#### 5) EEPROM

This is a menu used to control EEPROM data in the monitor. Data transfer from monitor to PC, or from PC to monitor, is also possible.

#### 6) Information

This is not a screen for adjustments, but a menu used to display monitor's operating conditions, such as horizontal and vertical frequencies memory address, etc.

#### Preset editor

This is an adjustment screen of the factory preset mode. The result of adjustments is registered in the address of EEPROM to be exclusively used for factory preset.

#### 8) ADJ video 1.0Vpp

This is a menu intended to adjust the brightness when the video input level is set at "1.0Vpp" in the OSD. This adjustment requires a video signal of 1.0Vpp.

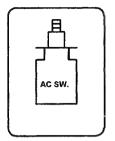
#### 9) Color adjust

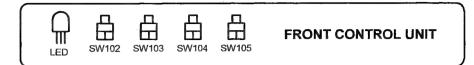
This monitor enables three types of color temperature setting. In this case, adjustment of 9300k only is performed with Menu (4), and then automatic setting of the two remaining 6500k and user color is made with this menu, based on the setting data.

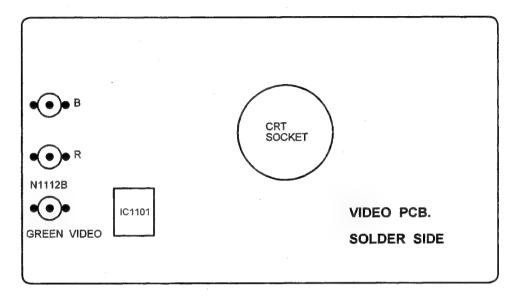
#### 10) DAF adjust

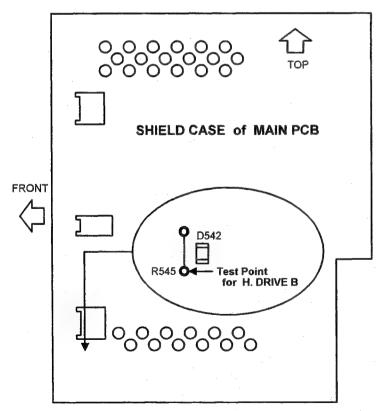
This is a menu used for the adjustment of parabolic wave forms for dynamic focusing.

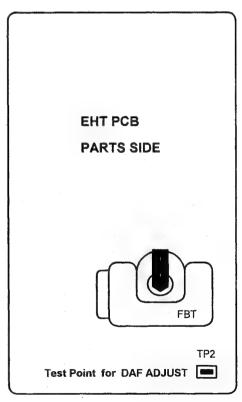
# SERVICE ADJUSTMENT CONTROL LOCATION











REQUIRED ADJUSTMENT PROCEDURE AFTER A PARTS IS REPLACED (< IS REQUIRED)

	-							1 0	1	6						
								REPLACED		MAKIN						
	ADJUSTMENT ITEM	MAIN P.C.B.	VIDEO P.C.B.	SSP P.C.B.	EHT C.B.	CRT DY	IC1001 IC1341 IC1101 IC1342 IC1201 IC351 Q1021 Q1071 Q1022 Q1075 Q1121 Q1171 Q1122 Q1175 Q1123 Q1176 Q1221 Q1275 Q1222 Q1275	11 10540 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	IC850 Q873 Q550 Q540 T542	Q604 Q673	1601	1C581	10302	1C430		
∢	DATA SETTING *	<b>&gt;</b>		>												
m	H. DRIVE +B	1		>				^								
ပ	OSC DATA SET	1		>												
ш	H. CENTER	^		>		>						>				
ш	VSR SETTING	>		>	>	>			>	>	>			>		
ပ	FACTORY PRESET	>		>	>	>			>	>	>			`		
I	DAF ADJUST	>		>	>	>							>			
-	Focus Abjust	^		1	>	>					>		>			
7	CUT-OFF & BRIGHTNESS	1	1	1	>	<i>&gt;</i>	<i>&gt;</i>			^	>			·		
¥	COLOR DATA SETTING	>	>	>	>	>				>	>					
	VIDEO 1.0V ADJUST	<u> </u>	^	7	>	>	<b>&gt;</b>			>	>					
Σ	DATA ŞAVING	>	>	>	>	>	^	>	>	>	>	>	>	>		
	PURITY & CONVERGENCE					>										
	SCREEN CHECK	>	>	>	>	>	>	>	>	>	>	>	>	>	-	
	Carti															

\*DATA SETTING: Do not load standard data except when Main PCB and SSP Card are replaced.

# ADJUSTMENT PROCEDURE

- Note 1 : Check to be sure that the program disk name is **TXD2171** before making necessary adjustment.
- Note 2: Unless otherwise specified, the monitor state is as given at right.
- Note 3: The underlined places indicate the adjustment items on the screen of the PC.

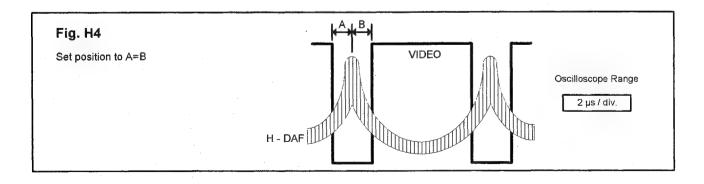
# 1. Description of Adjustment Method

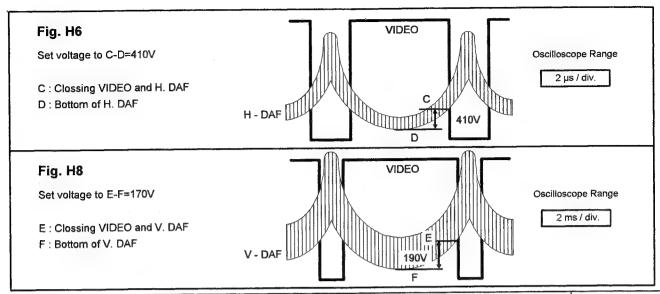
F	Program Menu Item	◆ Test Meter     ↓ Test Point     □ Páttern	JOB CODE	Input Signal	Operation	Adjusting Value
	STANDARD DATA SETTING		A1 A2	Mode-1	Turn ON the power switch of the monitor.  Set the cell to 1) Initial Check at the main menu and press [  ], then press [ ] to return to main	
	4) EEPROM		<b>A</b> 3		menu. Set the cell to <u>4) EEPROM</u> at the main menu and press [⅃].	
	1) Load data from		A4		Set the cell to the menu at left and press [』].	
	FILE		A5		A massage	
Α					FILE -> EEPROM FILE NAME (q or Q escape) []: is displayed. So key in the DACDATA.DAT (when using the standard data) and press [].	
			<b>A</b> 6		Turn OFF the power switch of the monitor, then turn ON. (To make reset)	
			AE		Set the cell to 1) Initial Check at the main menu and press [리], then press [리] to return to main menu.	
	H. DRIVE +B	◆ Digital voltmeter	B1		Set the cell to the menu at left and press [⅃].	
	3) VSR	R545 ~ GND	B2		Set the cell to the inertial at left and press [2].	
		Refer to page 22			press [↓].	
		for the test point.	В3	GV3-1	Check that the input signal to the monitor is [fH 29.5kHz] and [fV 48.0Hz] and press [].	
		·	B4 B5		Set the cell to <u>H DRIVE B</u> and press [ $\downarrow$ ]. Make the adjustment to the value shown at right by using [ $\leftarrow$ ] and [ $\rightarrow$ ].	24.0V ±0.3V
_			В6		Register by press [-] and [E] to return to menu of <b>B2</b> .	·
В			В7	GV3-2	Input signal [fH 54.0kHz] and [fV 77.0Hz]	23.0V ±0.3V
			B8		Select Adjusting mode <u>INTP [1]</u> , and repeat above ( <b>B4~B6</b> ) procedure.	
			B9 B10	GV3-3	Input signal [fH 82.5kHz] and [fV 126.0Hz] Select Adjusting mode <u>INTP [2]</u> , and repeat above procedure.	22.0V ±0.3V
			B11 B12	GV3-5	Input signal [fH 115.5kHz] and [fV 165.0Hz] Select Adjusting mode INTP [3], and repeat above procedure.	19.0V ±0.3V
			BE		Press [E] to return to main menu.	

F	Program Menu Item	◆ Test Meter     ↓ Test Point     □ Pattern	JOB CODE	Input Signal	Operation	Adjusting Value
С	OSC DATA SET 2) OSC DATA SET	□ Crosshatch	C1 C2 CE	Mode-1	Check that the input signal to the monitor is [fH 93.8kHz] and [fV 75.0Hz]. Set the cell to the menu at left and press [ ]. The screen image is cleared, then press [ ] to return to main menu.	
D	FOCUS PRE ADJUST 4) VIDEO	□ G. Crosshatch	D1 D2 D3 D4 D5 D6 D7 DE	Mode-1	Check that the input signal to the monitor is [fH 93.8kHz] and [fV 75.0Hz]. Set the cell to the menu at left and press [ $\bot$ ]. Set the cell to <u>G51</u> and press [ $\bot$ ]. Make the adjustment by using [ $\leftarrow$ ], [ $\rightarrow$ ] to screen optimum for the <b>Corner Vertical</b> line. Register by pressing [ $\bot$ ]. Set the cell to <u>G52</u> and press [ $\bot$ ]. Make the adjustment by using [ $\leftarrow$ ], [ $\rightarrow$ ] to screen optimum for the <b>Center Horizontal</b> line. Register by pressing [ $\bot$ ], then press [E] to return to main menu.	·
E	H. CENTER 3) VSR	□ RGB off (Sync only)	E1 E2 E3 E4 E5 E6	GV3-1	Set the Brightness to MAX by using the OSD. Set the cell to the menu at left and press [ɹ]. Set the cell to the adjusting mode INTP [0] and press [ɹ]. Check that the input signal to the monitor is [fH 29.5kHz] and [fV 48.0Hz] and press [ɹ]. Set the cell to H CENTER and press [ɹ]. Make the adjustment to the value shown at right by using [←] and [→]. Register by pressing [ɹ] and [E] to return to menu of E3.	Back raster  Set the raster to the center with respect to the bezel.
			E8 E9 E10 E11 E12 E13	GV3-3	Input signal [fH 54.0kHz] and [fV 77.0Hz] Select Adjusting mode INTP [1], and repeat above (E5~E7) procedure. Input signal [fH 82.5kHz] and [fV 126.0Hz] Select Adjusting mode INTP [2], and repeat above procedure. Input signal [fH 115.5kHz] and [fV 165.0Hz] Select Adjusting mode INTP [3], and repeat above procedure. Press [E] to return to main menu.	

	Program Menu Item	◆ Test Meter     ↓ Test Point     □ Pattern	JOB CODE	Input Signal	Operation	Adjusting Value
<u> </u>	VSR SETTING 3) VSR	□ Crosshatch	F1 F2 F3 F4 F5 F6 F7 F8 F9 F10 F11 FE	GV3-2 GV3-3	Set the cell to the menu at left and press [,J]. Set the cell to the adjusting mode INTP [0] and press [,J]. Check that the input signal to the monitor is [fH 29.5kHz] and [fV 48.0Hz] and press [,J]. Set the cell to following items, press [,J] and make the adjustment to the value shown at right by using [,-] and [,-].  ① H. SIZE ② V. POSITION ② H. POSITION ⑤ V. PCC ③ V. SIZE(VSR) ③ V. LIN(S) Register by pressing [,J] at each item, and press [E] to return to menu of F2.  Input signal [fH 54.0kHz] and [fV 77.0Hz] Select Adjusting mode INTP [1], and repeat above (F4~F5) procedure.  Input signal [fH 115.5kHz] and [fV 126.0Hz] Select Adjusting mode INTP [2], and repeat above procedure.  Input signal [fH 115.5kHz] and [fV 165.0Hz] Select Adjusting mode INTP [3], and repeat above procedure.  Press [E], to return to the main menu.	H: 380mm ±5 V: 285mm ±5  H/V Posi: Center  V. PCC: V. LIN: Best point
G	FACTORY PRESET 5) Preset Editor	□ Crosshatch	G3		Set the cell to the menu at left and press []. Check that the input signal to the monitor is [fH 93.8kHz] and [fV 75.0Hz] and press []. Set the cell to following items, press [] and make the adjustment to the value shown at right by using [←] and [→].  ① H. SIZE	H: 380mm ±5 V: 285mm ±5 H/V Posi: Center V. LIN(C): Best point H: 380mm ±7 V: 285mm ±7

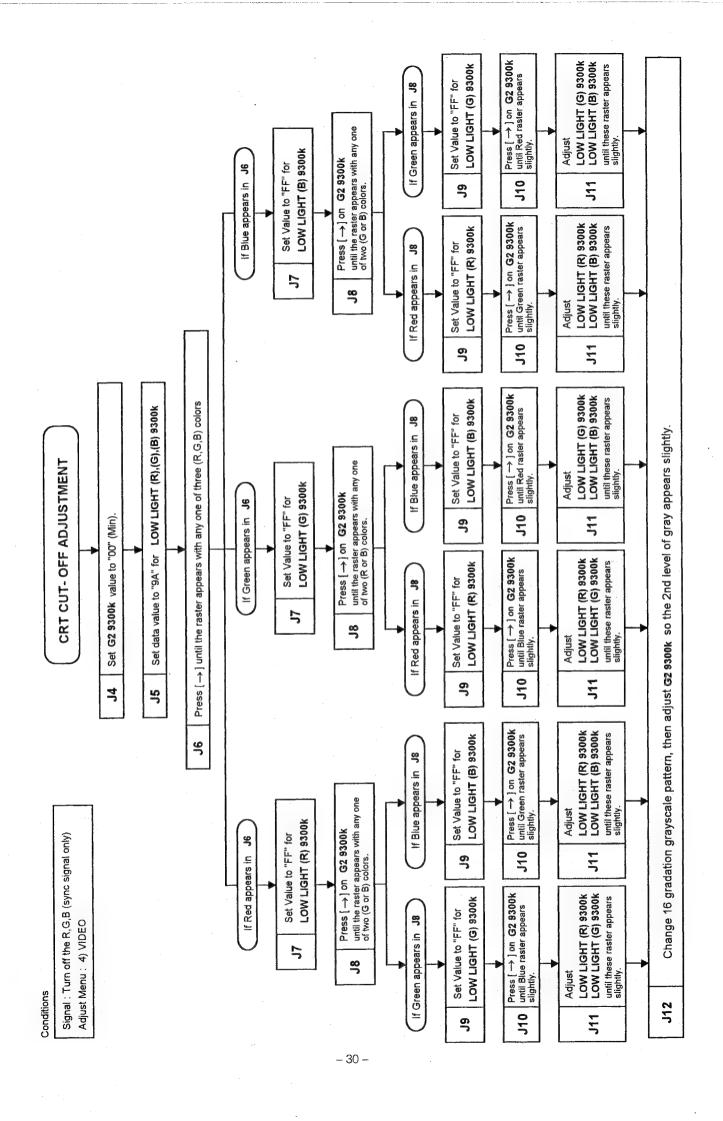
	Program Menu Item		JOB CODE	Input Signal	Operation	Adjusting Value
G	FACTORY PRESET 5) Preset Editor	□ Crosshatch	<b>G</b> 7	Mode-3	Input signal [fH 46.9kHz] and [fV 75.0Hz] and repeat above ( <b>G2 - G4</b> ) procedure.	H: 380mm ±7 V: 285mm ±7
			G8	Mode-4	Input signal [fH 60.0kHz] and [fV 75.0Hz] and repeat above procedure.	H: 380mm ±7 V: 285mm ±7
			G9	Mode-5	Input signal [fH 68.7kHz] and [fV 75.0Hz] and repeat above procedure.	H: 380mm ±7 V: 285mm ±7
			G10		Input signal [fH 64.0kHz] and [fV 60.0Hz] and repeat above procedure.	H : 355mm ±7 V : 284mm ±7
			G11	Mode-7	Input signal [fH 80.0kHz] and [fV 75.0Hz] and repeat above procedure.	H : 355mm ±7 V : 284mm ±7
			G12	Mode-8	Input signal [fH 112.5kHz] and [fV 90.0Hz] and repeat above procedure.	H : 380mm ±7 V : 285mm ±7
			GE		Press [E] to return to the sub menu, then press [N] to return to the main menu.	
	DAF ADJUST	☐ White flat field	H1		Set the cell to the menu at left and press [』].	
	10) DAF ADJUST	◆ Oscilloscope  ↓ TP2~GND	H2	GV3-5	Check that the input signal to the monitor is [fH 93.8kHz] and [fV 75.0Hz].	
	Oscilloscope Range	100:1 probe	НЗ		Select the <u>H DAF PHASE</u> and press [-].	
	2μs/div.(for Horizontal)	∜ N1112B ~ GND	H4		Adjust as shown at below by using $[\leftarrow]$ and $[\rightarrow]$ , and press $[\bot]$ for registration.	
		10:1 probe			(Refer to Fig. H4 for adjustment)	
Н			H5		Select the H DAF GAIN and press [].	0.0.440
			H6		Adjust as shown at right by using $[\leftarrow]$ and $[\rightarrow]$ , and press $[\bot]$ for registration.	C-D=410V
		ļ			(Refer to Fig. H6 on next page for adjustment)	
	2ms/div (for Vertical)		H7		Select the <u>V DAF GAIN</u> and press [].	E E-100V
			H8		Adjust as shown at right by using $[\leftarrow]$ and $[\rightarrow]$ , and press $[\downarrow]$ for registration.	E-F=190V
					(Refer to <b>Fig. H8</b> on next page for adjustment)	
			HE		Press [E] to return to main menu.	
1	1	i	I	1	£	i I



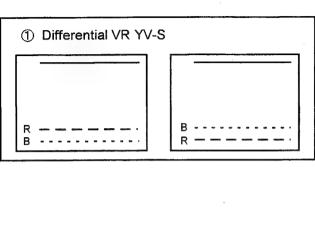


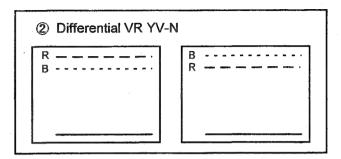
	Program Menu Item	◆ Test Meter  ↓ Test Point  □ Pattern	JOB CODE	Input Signal	Operation	Adjusting Value
-	FOCUS FINAL ADJUST 4) VIDEO	☐ G. Crosshatch		Mode-1	The same as item D for adjustment manner. Repeat <b>D1~DE</b> adjustment .	
	CRT CUT-OFF  4) VIDEO	◆ TV Color Analyzer II □ RGB Off (Sync only)	J1 J2 J3 J4 J12	Mode-1	Set the Contrast to MAX, Brightness to Center and Color is 9300k by using the OSD. Check that the input signal to the monitor is [fH 93.8kHz], [fV 75.0Hz] and turn off the RGB signal.  Set the cell to the menu at left and press [♣]. Make the adjustment R,G and B Low Light 9300k and G2 9300K by using [♠], [→] to CRT cut-off. Please refer to flow chart for CRT cut-off adjustment on page 30.	
J	BRIGHTNESS & COLOR ADJUST	□ White window (5cm×5cm at the center)	J13 J14 J15 J16		Change to the pattern at left.  Move the cell to the following items and make the adjustment to the value shown at right by using [←] and [→], then [□] for registration.  SUB CONT (R) 9300K  SUB CONT (B) 9300K  SUB CONT (B) 9300K  Set CONTRAST to MIN by using the OSD.  Move the cell to the following items and make the adjustment to the value shown at right by using [←] and [→], then [□] for registration.  LOW LIGHT (R) 9300k  LOW LIGHT (B) 9300k  LOW LIGHT (B) 9300k  Adjust two colors only out of above (RGB) three as shown in J11 on page 30.  - To be continued -	Y=105 cd/m <sup>2</sup> x=0.283 ±0.015 y=0.298 ±0.015 x=0.283 ±0.015 y=0.298 ±0.015

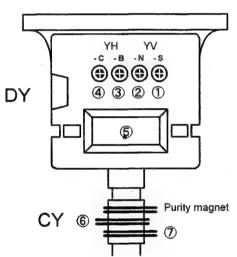
F	Program Menu Item	◆ Test Meter  ↓ Test Point  □ Pattern	JOB CODE	Input Signal	Operation	Adjusting Value
	BRIGHTNESS & COLOR ADJUST	☐ White window (5cm×5cm at the center)	J17 J18	Mode-1	Set CONTRAST to MAX by using the OSD Check the value shown at right, then If out of range, to repeat <b>J13~J19</b> .	Y=105 cd/m <sup>2</sup> x=0.283 ±0.015 y=0.298 ±0.015
J	ABL 4) VIDEO	□ White flat field (full window)	J19 J20 J21 JE		Set CONTRAST to MAX by using the OSD Change to the pattern at left.  Move the cell to <u>ABL 9300k</u> and make the adjustment to the value shown at right by using [←] and [→], then [⊥] for registration.  Press [E] to return to main menu.	<b>Y</b> =97 cd/m <sup>2</sup>
ĸ	<b>DATA SETTING</b> 9) COLOR ADJUST		K1 K2 KE		Set the cell to the menu at left and press [].  Press [Y] and [] for following messages.  Calculate COLOR 6550K data automatically. OK?> Calculate USER COLOR data automatically. OK?> Calculate ABL data automatically. OK?> finished. ( Hit return key )  Press [] to return to main menu.	
L	1.0V ADJUST 8) ADJ VIDEO 1.0Vp-p	◆ TV Color Analyzer II  ☐ White window (5cm×5cm at center) 1.0V p-p video	L1 L2 L3 L4 L5 LE	Mode-1	Set Input Video Level 1.0V using the OSD of the monitor.  Set the cell to the menu at left and press [ɹ].  Change to the pattern and signal level at left.  This messages will appear:  Please set video level at 1.0Vpp.  then hit return key.  Check input signal, then press [ɹ].  Please adjust CONTRAST (1.0Vpp) using cursor key.  Make the adjustment to the value shown at right by using [←] and [→].  Press [ɹ] for registration and return to the main menu.	<b>Y</b> =105 cd/m <sup>2</sup>
М	DATA SAVING  2) Save data to FILE		M1		Set the cell to 4) EEPROM at the main menu and press [].  Set the cell to the menu at left and press [].  A massage  EEPROM -> FILE NAME (q or Q escape) []:  Use serial number as a file name  ( EXAMPLE : FF7110001 = "F7110001 DAT")	

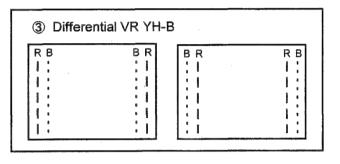


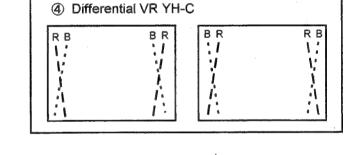
# 2. Adjustment Location for Purity and Convergence

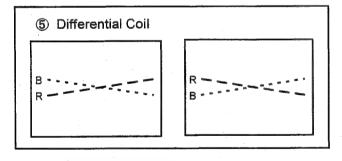


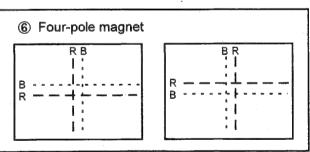


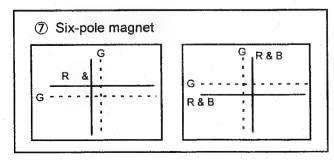


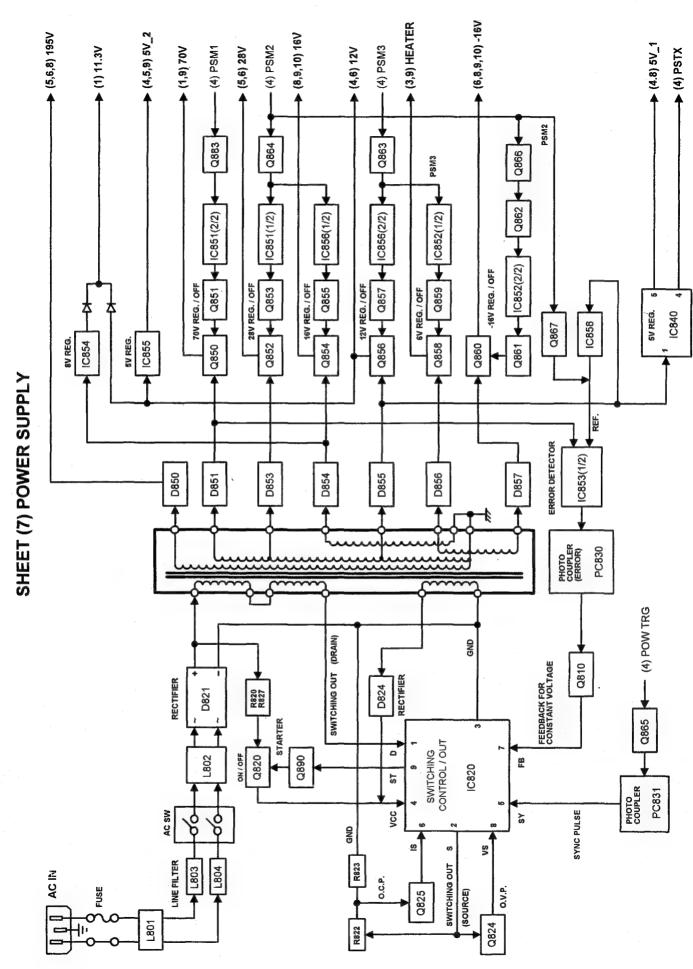










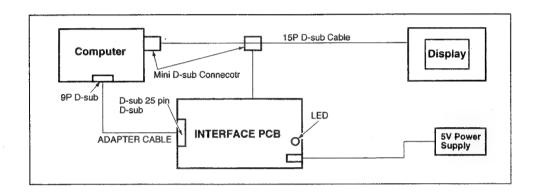


# TECHNICAL INFORMATION FOR DDC

- It must be noted that this monitors is designed to be applicable to DDC1 communication the following points are different from ordinary monitors.
  - 1. Use the signal cable, the which is furnished as an accessory (applicable to DDC1) only.
  - 2. When replacing a PCB on which ROM for DDC1 is mounted, data writing is required.

    In addition to the above, a computer applicable to WINDOWS and a 5V power supply unit are required.
- DDC1 Data Read/write System
  - 1. Communication jig
    - (1) The composition of Communication jig
      - Interface PCB.
- ② Adapter cable (D-SUB 25P → 9P)
- ③ 15P D-SUB cable

(2) Connection diagram for communication jig.



- (3) Procedure to turn on the power:
  - 1 Make connections as shown above.
  - 2 Turn on the computer.
  - 3 Turn on the power supply of communication jig.
  - 4 Turn on the power supply of the MONITOR.

(Note) If the above-mentioned operation is normal, LED of the communication jig turns green after step (4).

If this LED is red, repeat the steps (3) and (4).

(4) Confirmation of DDC mode

LED is mounted on the communication jig. According to its color, the DDC mode can be discriminated.

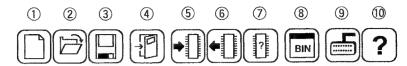
- When LED is green.
- DDC1 mode.
- When LED is orange.
- DDC2B mode.
- When LED is red.
- Transmission error.
- When LED is not lit.
- Obsolete.
- 2. Preliminary arrangements for using DDC data read/write software
  - (1) Copy DDC WRITE. EXE from floppy disk to hard disk drive (Name: \PanaTool Directory).
  - (2) Register DDC data read/write software (DDCWRITE.EXE) in the Icon.
    - ① Click the menu bar "lcon" of the program manager.
    - 2 Select "register and group create" from the pull down menu.
    - 3 Select "group create."
    - 4 Name the group PanaTool and register the group.
    - ⑤ Repeat (1) and (2) again and select "Icon registration."
    - 6 Enter "DDC1/2B" for [Title] and "Hard disk drive name: \PanaTool\DDCWRITE. EXE" for [Command line]. Then select [OK]
- 3. How to use DDC data read/write software.
  - (1) Start of DDC data read/write software.

Double-click the "DDC1/2B" Icon in the PanaTool group.

(2) Meaning of a button displayed.

The tool bar indicates the nine icons shown below.

These icons are explained, from left to right:



- Icon ①: Initialization of screen display contents.
- Icon 2: File is opened and displayed on the screen.
- Icon (3): Data are stored in a file.
- Icon 4: Finish the DDC data read/write software.
- Icon (5): Data displayed on the screen are written in EEPROM.
- Icon 6: Contents of EEPROM are displayed on the screen.
- Icon ①: Contents of EEPROM are compared with the data displayed on the screen.
- Icon (8): Check binary data by text format.
- Icon 9: Communication port setting.
  - Contents of setting: PORT → Using Communication port No.
  - Baud rate → 9600, Data → 8 bits, Parity → Nil, Stop → 1 bits
- Icon ①: Version information display.
- (3) Using the tool bar explained in (2) above, write data in EEPROM and make operations of reading, etc. A pop-up window may be displayed on the way. In such a case, select a proper one according to the message.

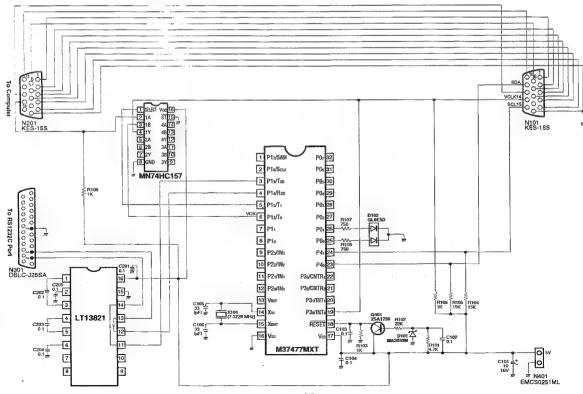
(Example 1) EEPROM data are displayed on the screen.

- ① Click the loon (6th from the left) in the tool bar, with the arrow pointing from the memory chip.
- ② Decided whether reading is started in DDC1 mode or DDC2B mode.
- 3 Select START.

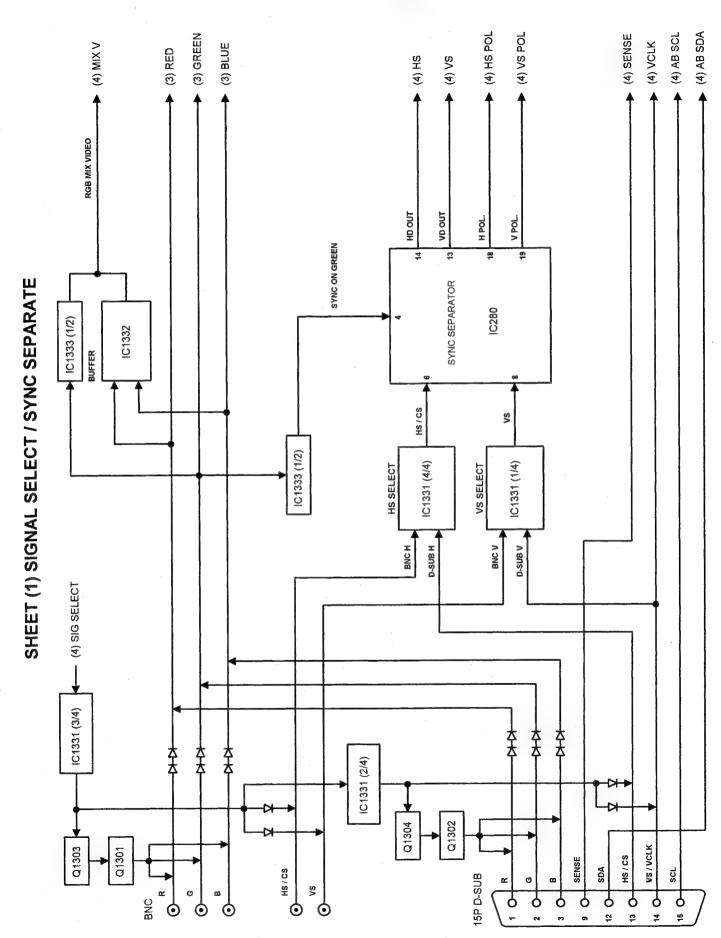
(Example 2) Data displayed on the screen are written in EEPROM.

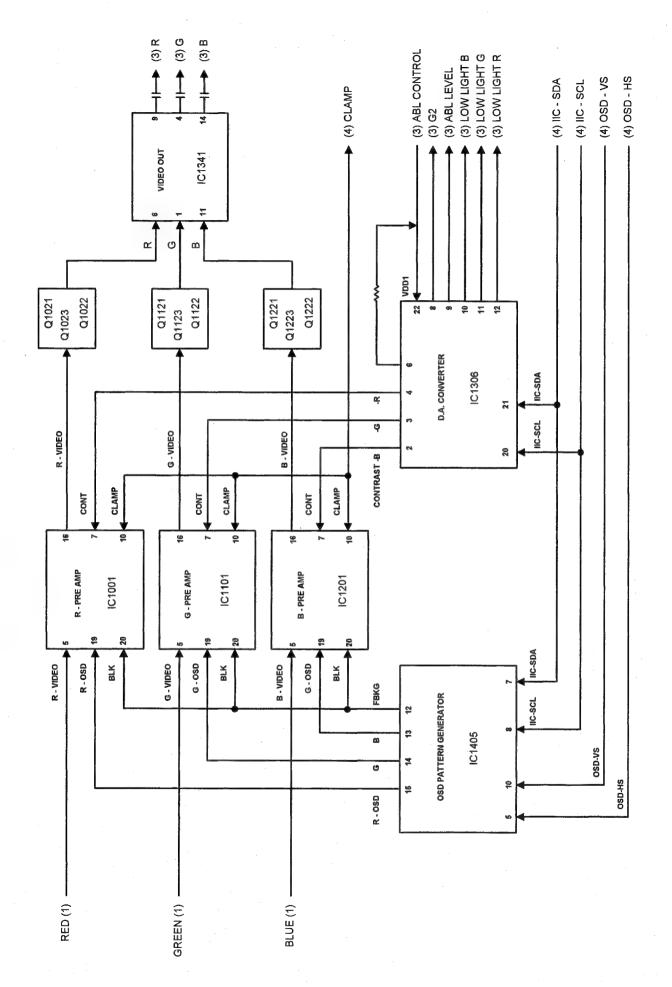
- ① Click the icon (5th from the left) in the tool bar, with the arrow pointing toward in the memory chip.
- (2) Select START.

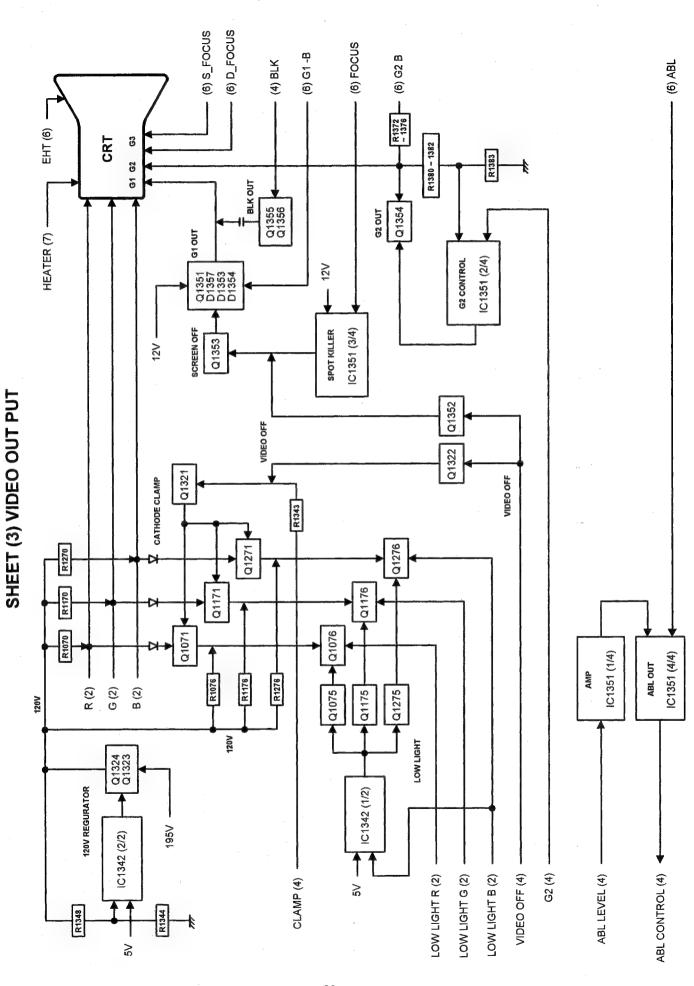
#### SCHEMATIC DIAGRAM FOR INTERFACE



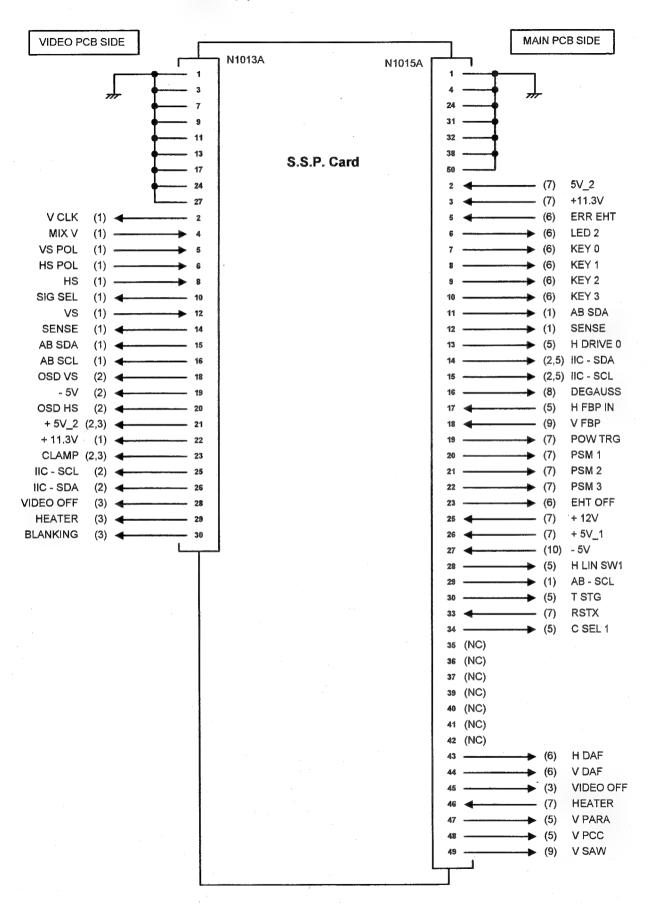
### **BLOCK DIAGRAM**

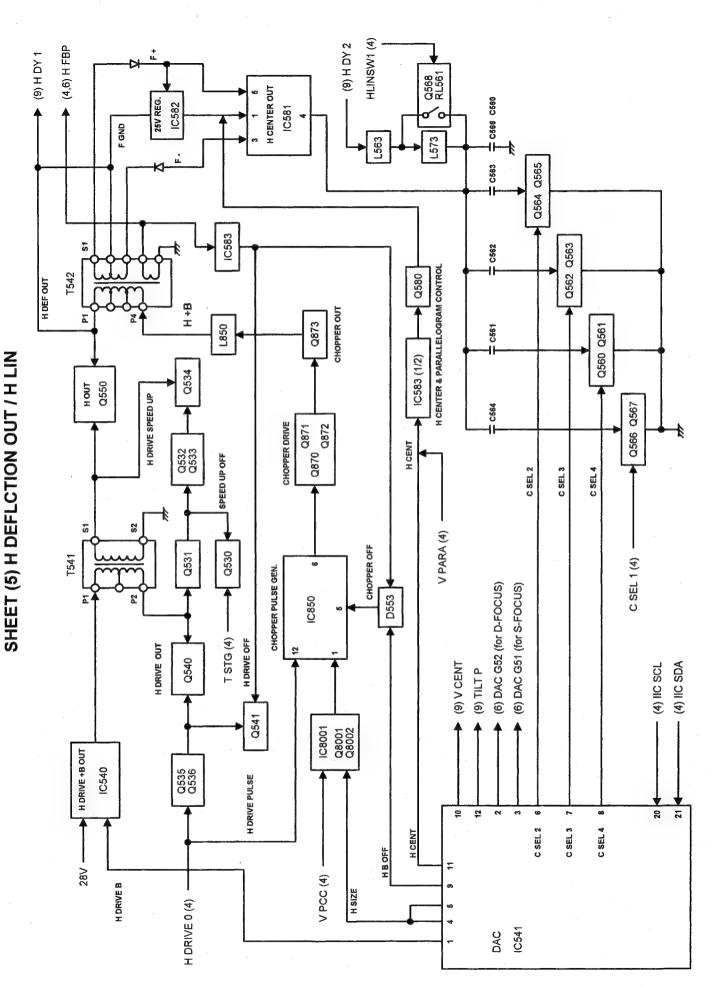


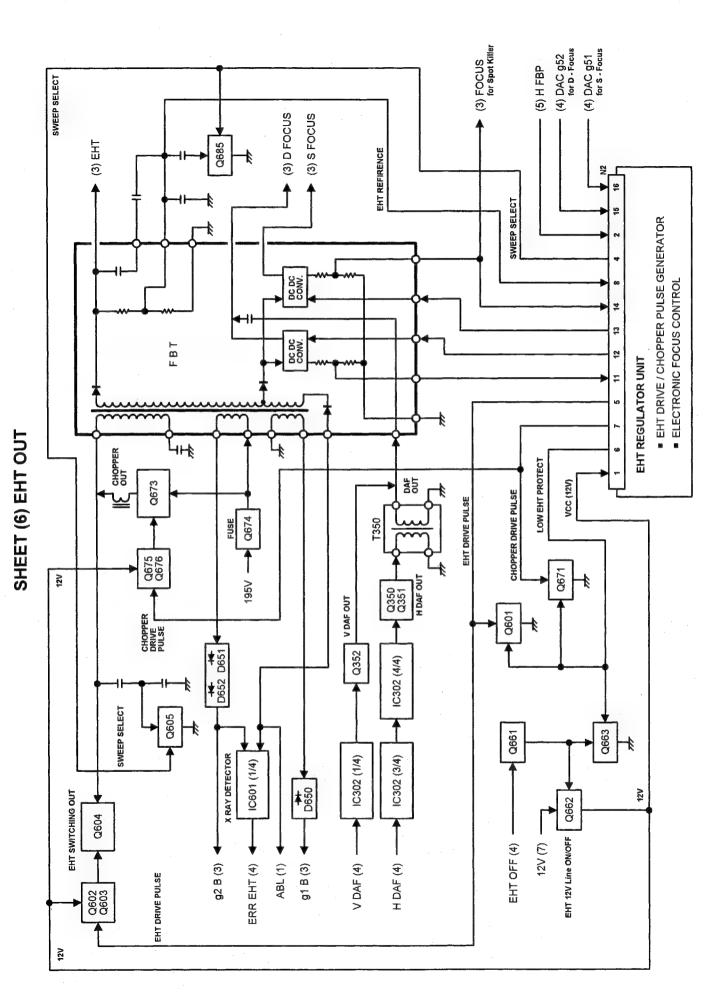




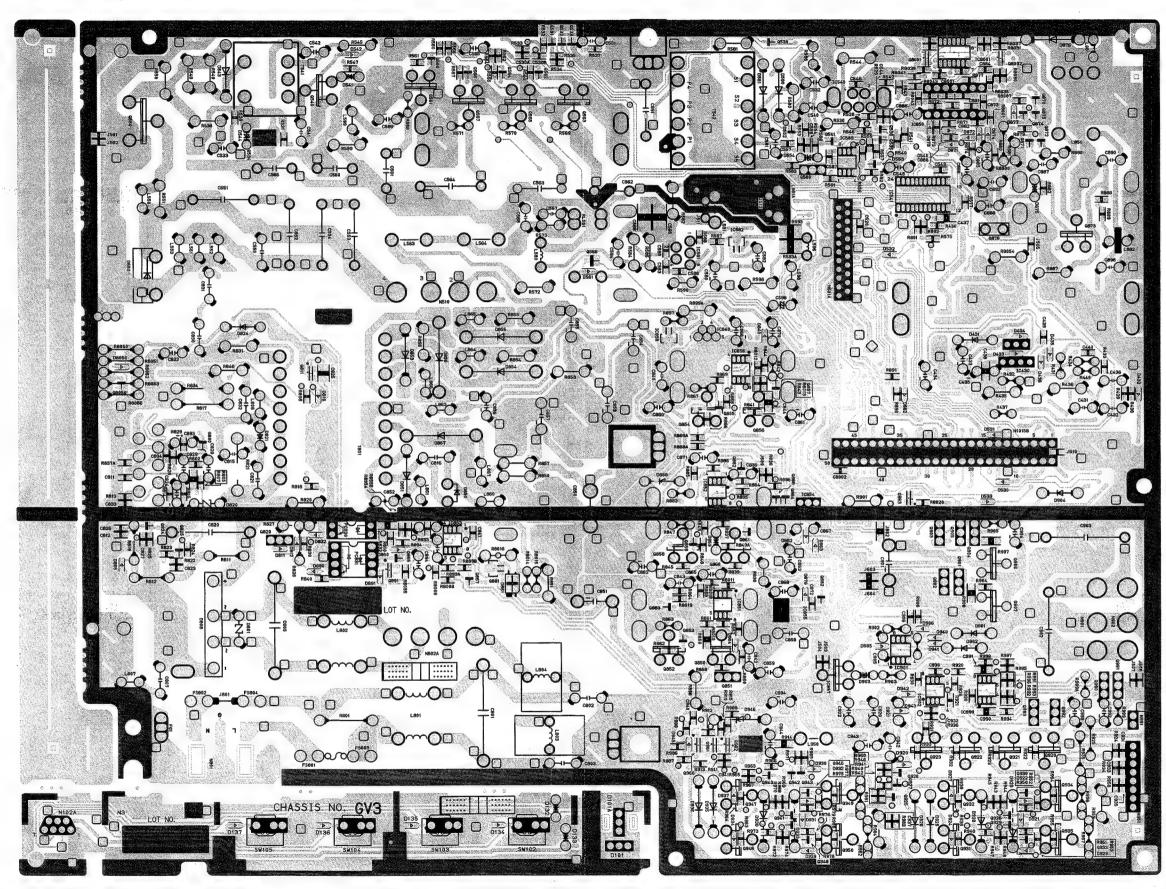
### SHEET (4) SUPER SIGNAL PROCESSOR



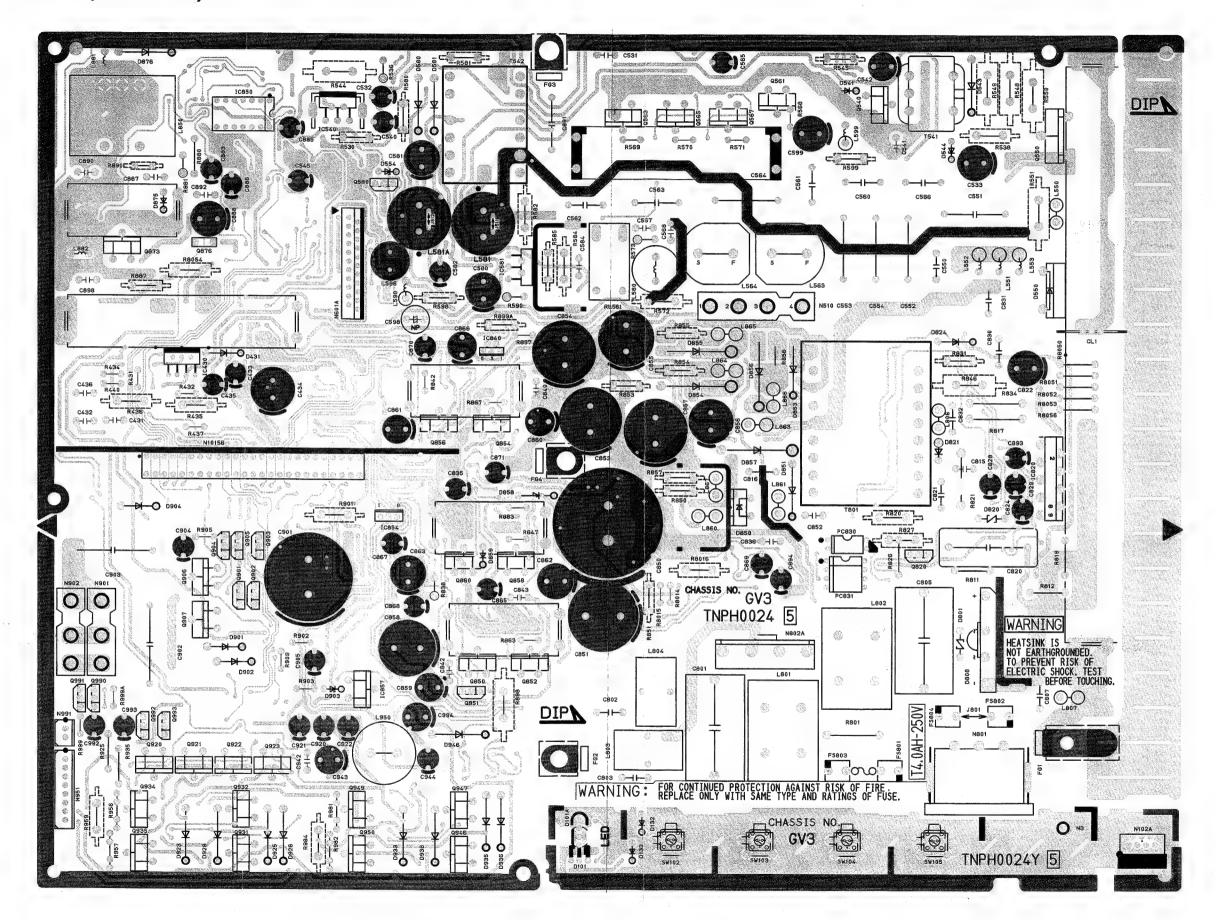




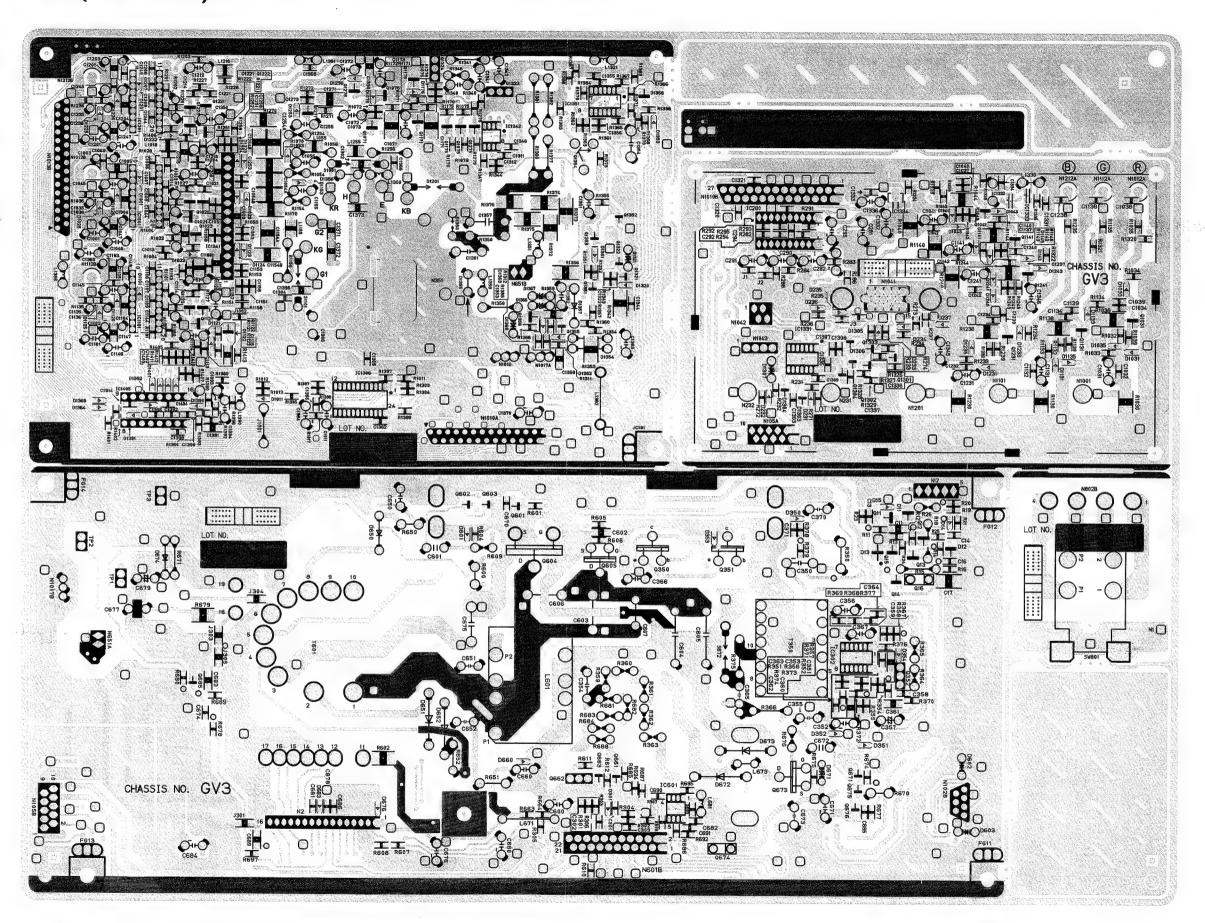
## MAIN BOARD (Solder side)



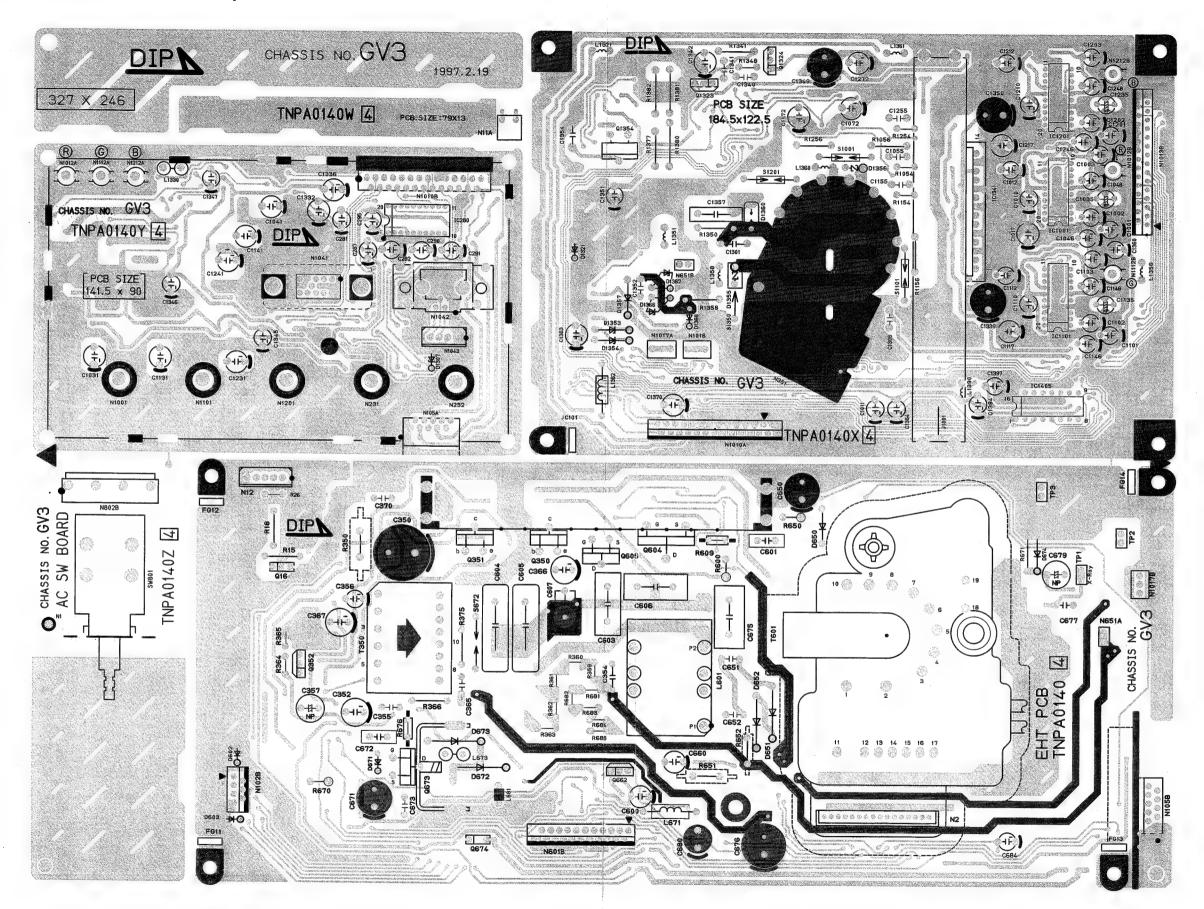
## MAIN BOARD (Parts side)



# VIDEO EHT BOARD (Solder side)



## **VIDEO EHT BOARD (Parts side)**



### SCHEMATIC DIAGRAM

### - IMPORTANT SAFETY NOTICE -

The component identified by shading or international symbol Y on the following schematic diagrams incorporate special features important for protection from X-Radiation, fire and electrical shock hazards. When servicing it is essential that only manufacturer's specified parts be used for those critical components.

#### NOTES:

#### 1. RESISTOR

All resistors are carbon 1/4W resistor, unless otherwise noted by the following marks. Unit of resistance is ohm  $(\Omega)$ , (K = 1,000, M = 1,000,000)

○ : Non Flammable △ : Solid

: Wire Wound : Thermistor

: Flame Proof Rectangular

#### 2. CAPACITOR

All capacitors are ceramic 50V capacitor, unless otherwise noted by the following marks, Unit of capacitance is  $\mu F$ , unless otherwise noted,

O: Electrolytic (M): Polyester

☑ : Tantalum
๓ : Metalized Polyester

☐ : Bipolar
☒ : Polypropylene

☒ : Mica

⊗ : Polystyrene
 ∴ : Mica
 ☑ : Temperature Compensation
 ⊙ : Ceramic
 ⊙ : Ceramic (SL)

#### 3. COIL

Unit of inductance is µH, unless otherwise noted.

#### 4. VOLTAGE MEASUREMENT

Voltage is measured by a digital meter receiving normal signal.

5. This schematic diagram is the latest at the time of printing and is subject to change without notice.

#### **SERVICE NOTES:**

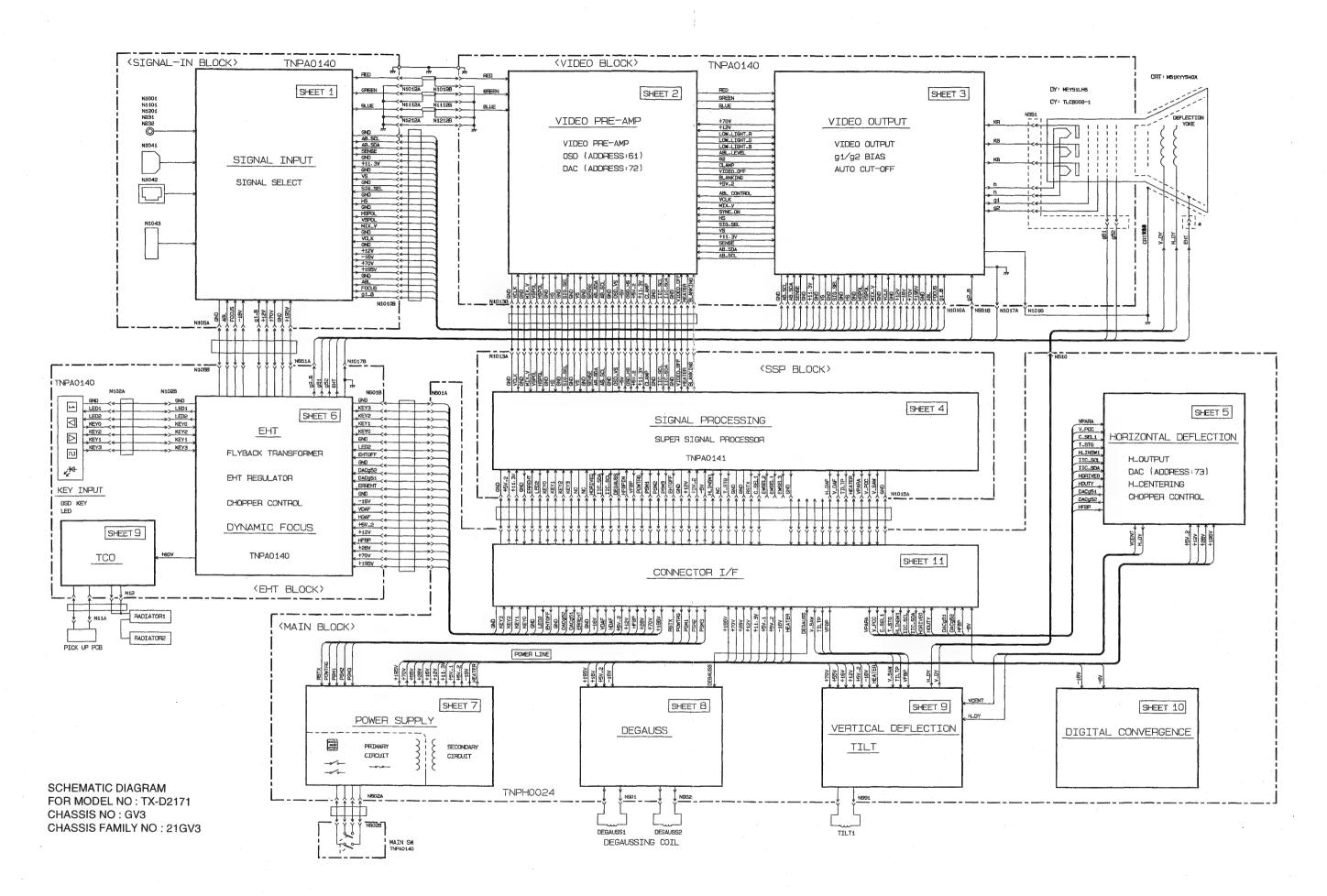
This model has a section that does not share a common ground with the power supply section. The different sections are referred to as the HOT section and the COLD section in the precautions below.

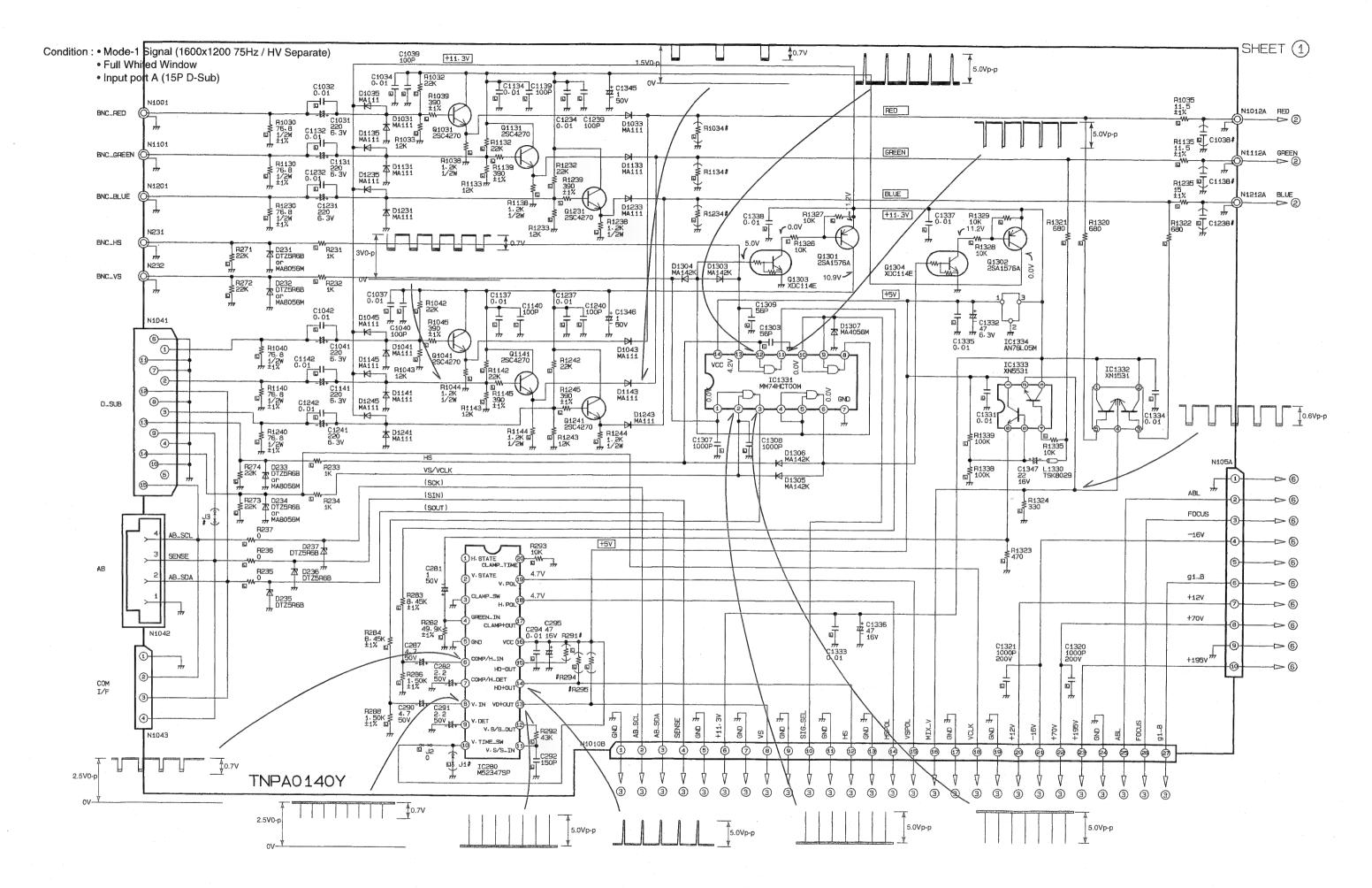
- 1. Do not touch the HOT section and the COLD section at the same time. You may receive an electric shock.
- 2. Do not short the HOT section to the COLD section. This could blow the fuse or damage parts.
- 3. Never measure the HOT section and the COLD section at the same time when using tools such as oscilloscopes or muti-meters.
- 4. Always unplug the unit before beginning any operation such as removing the chassis.

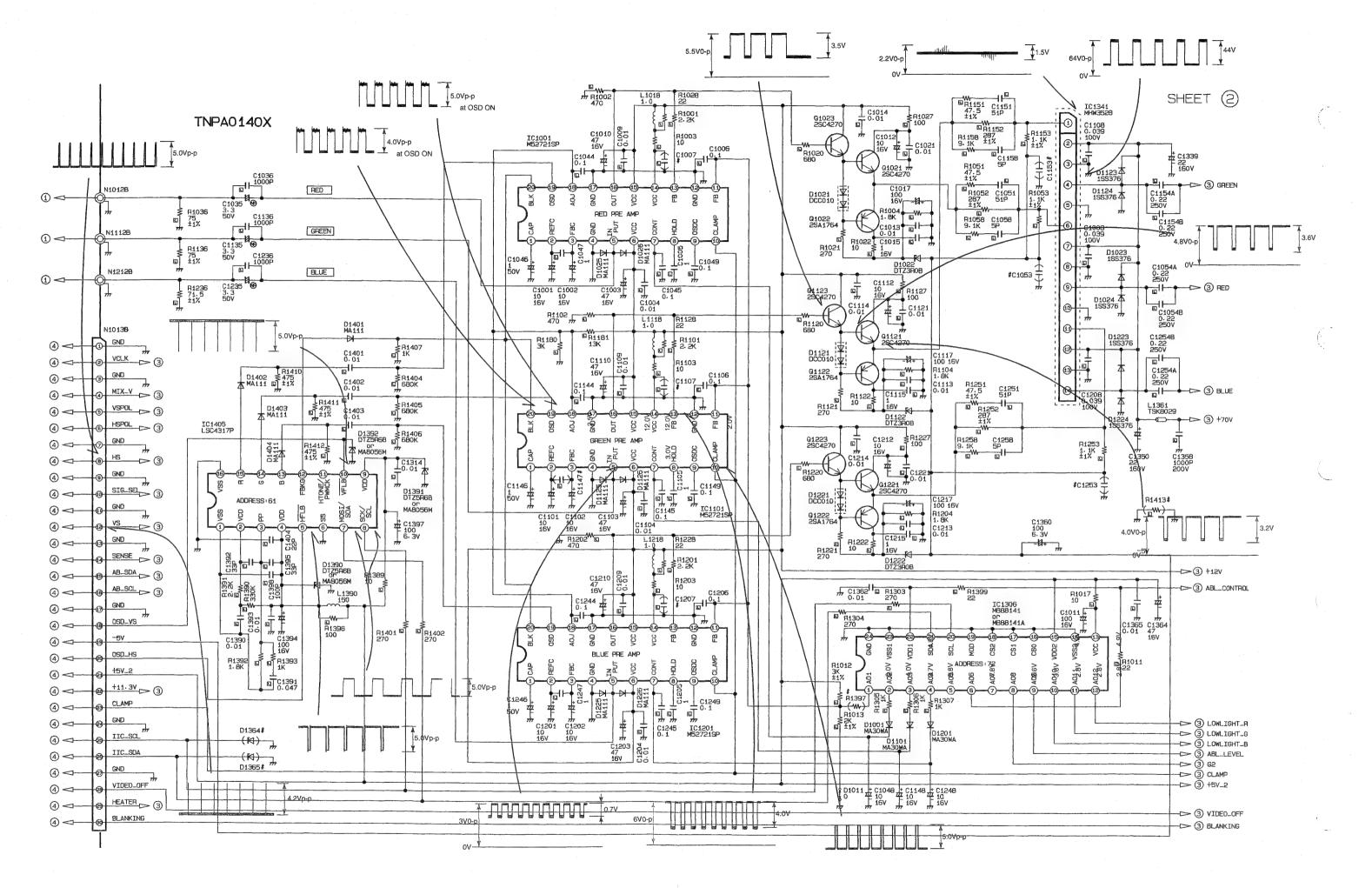
- 46 -

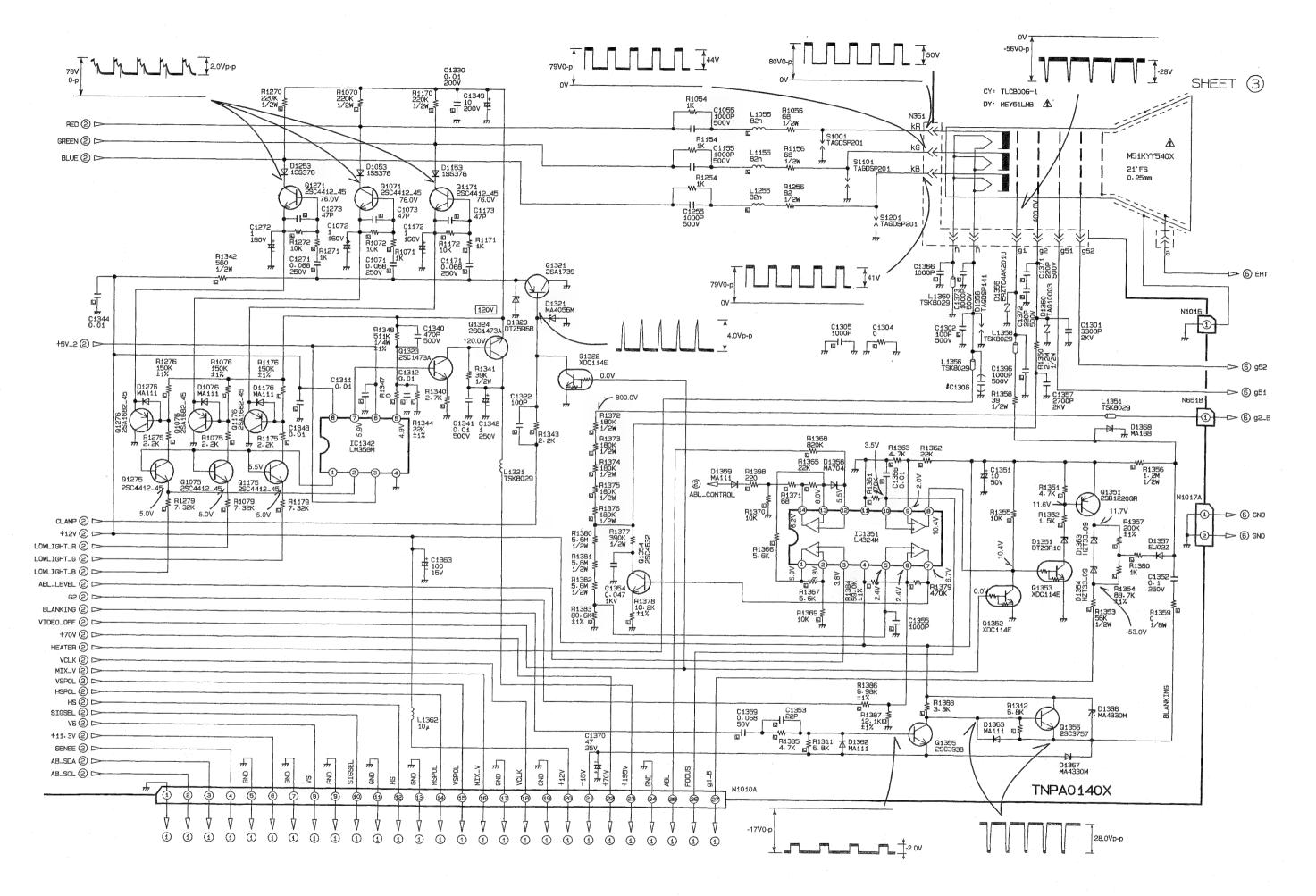
5

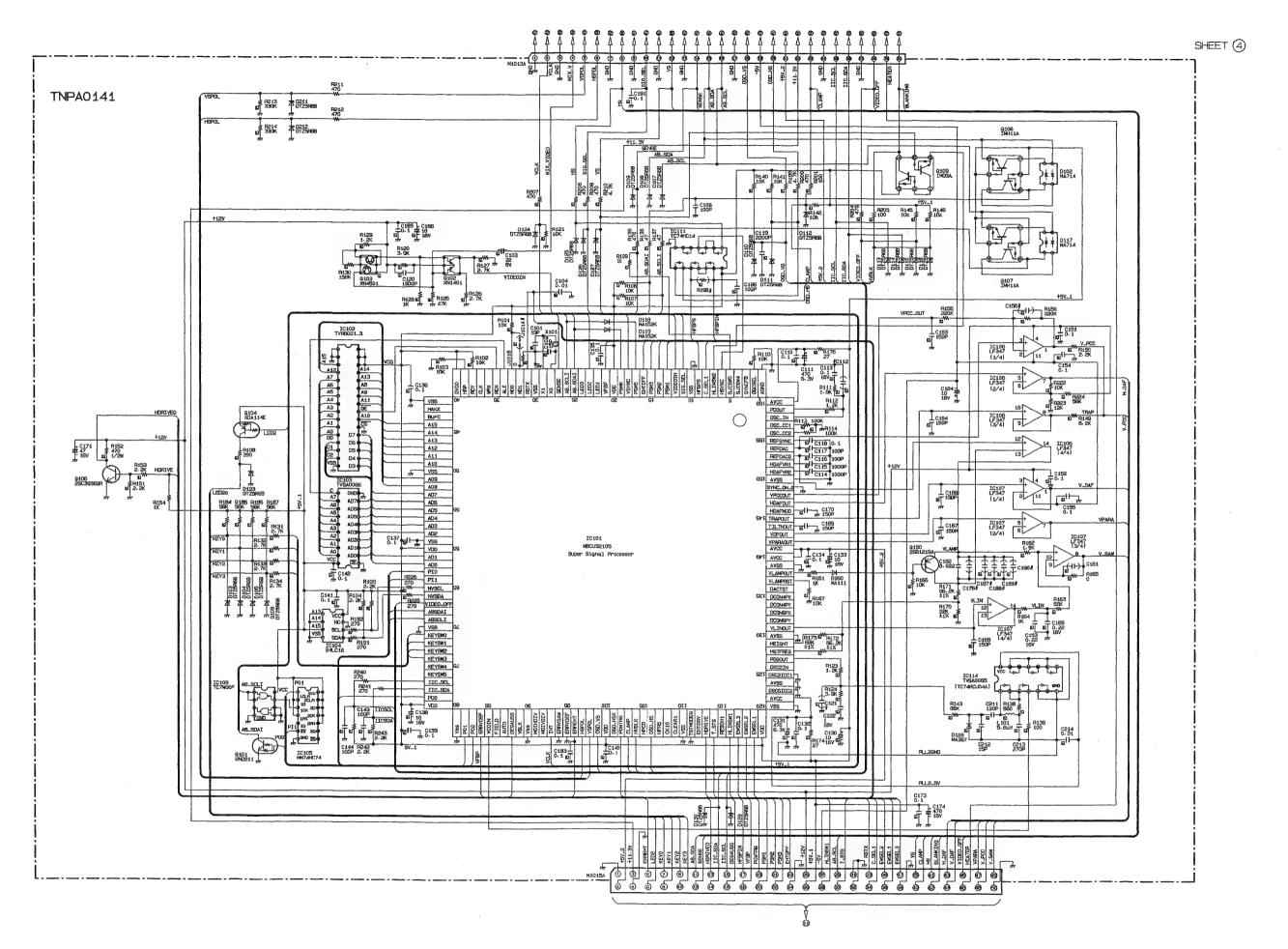
		-	
		98	

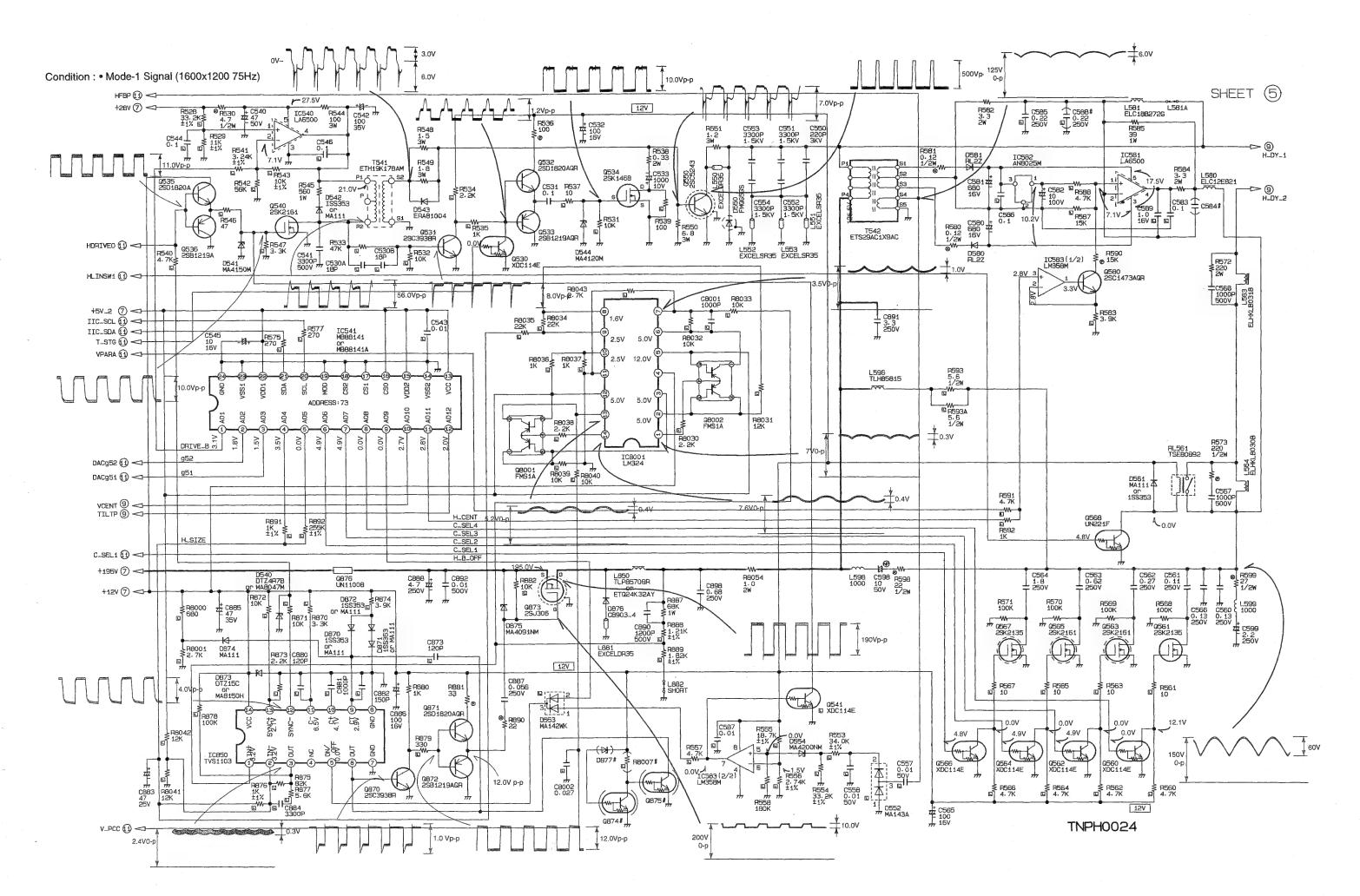


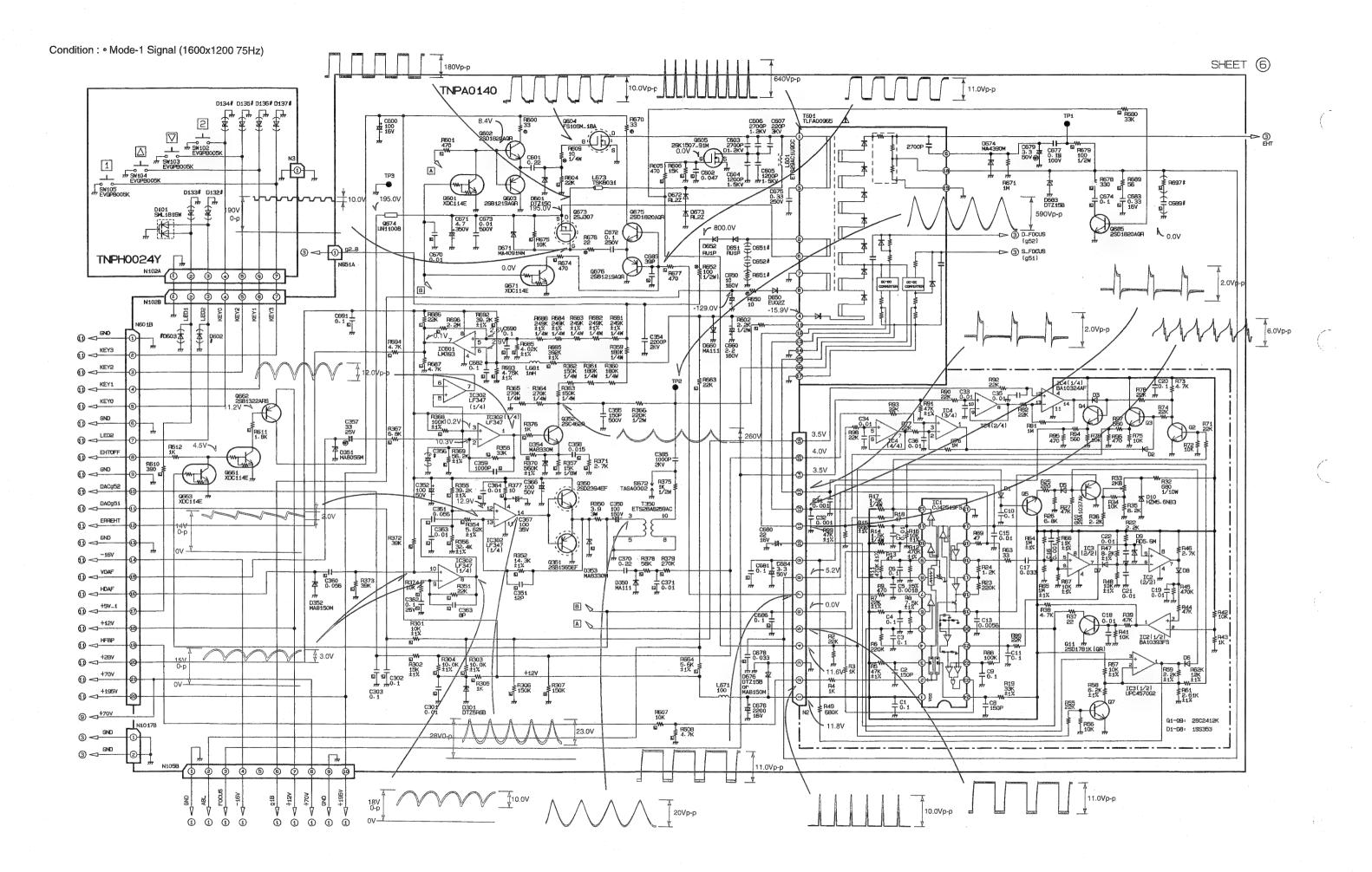


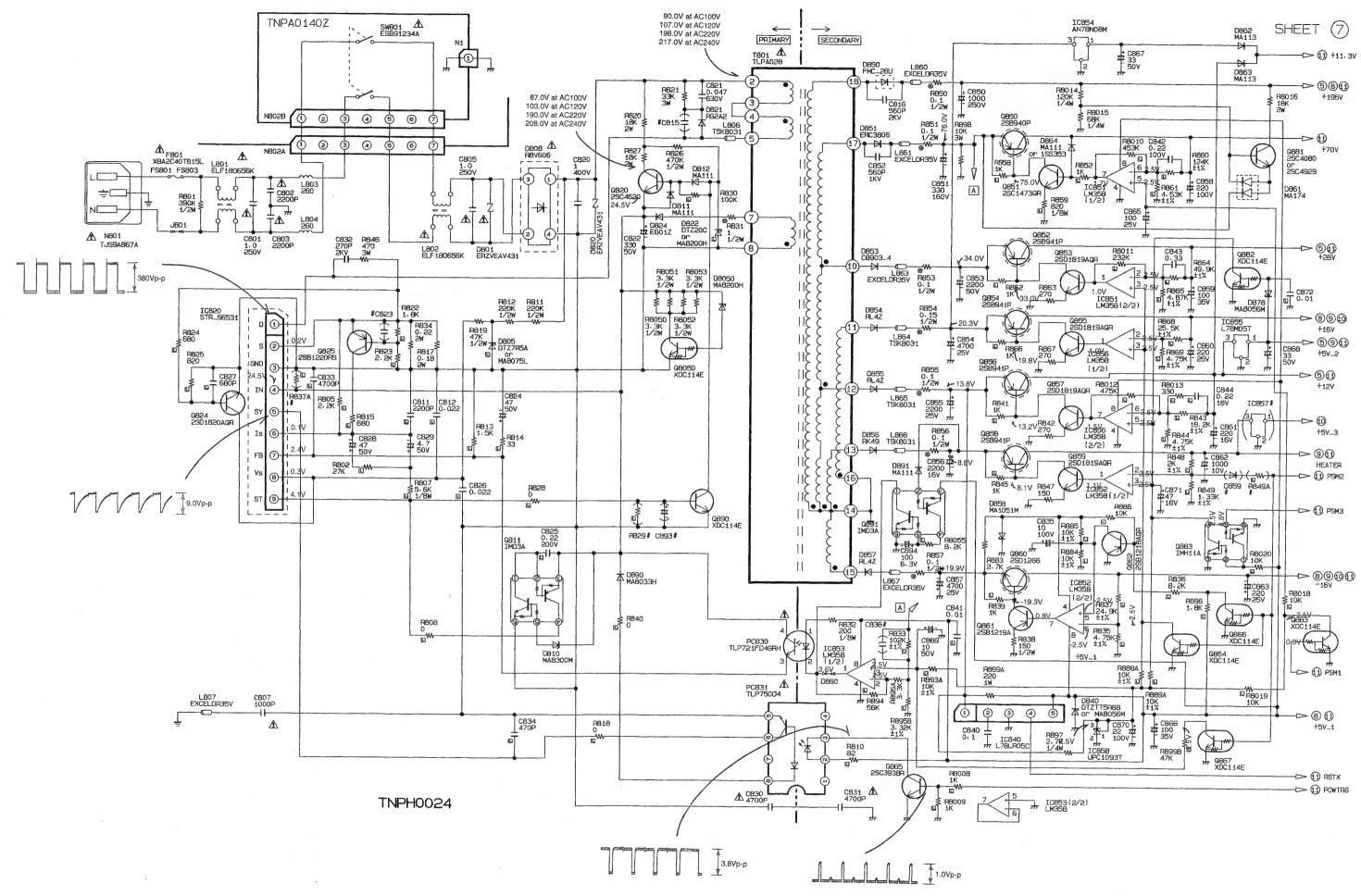


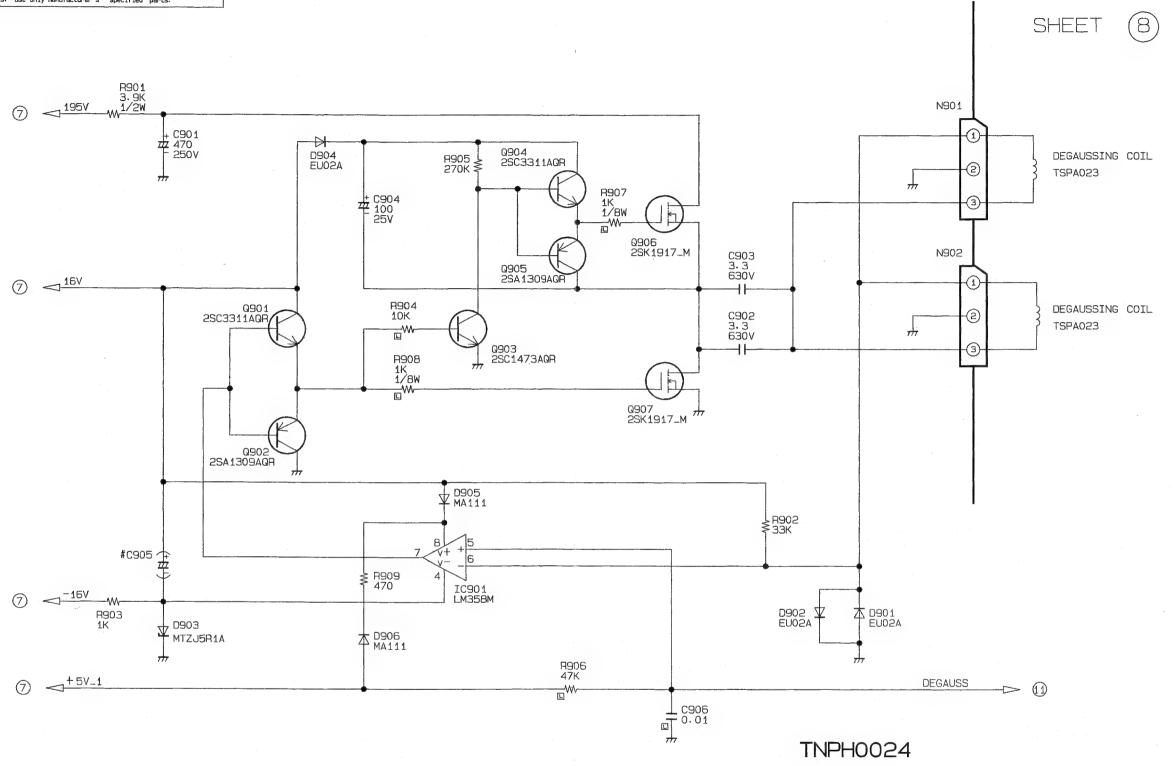


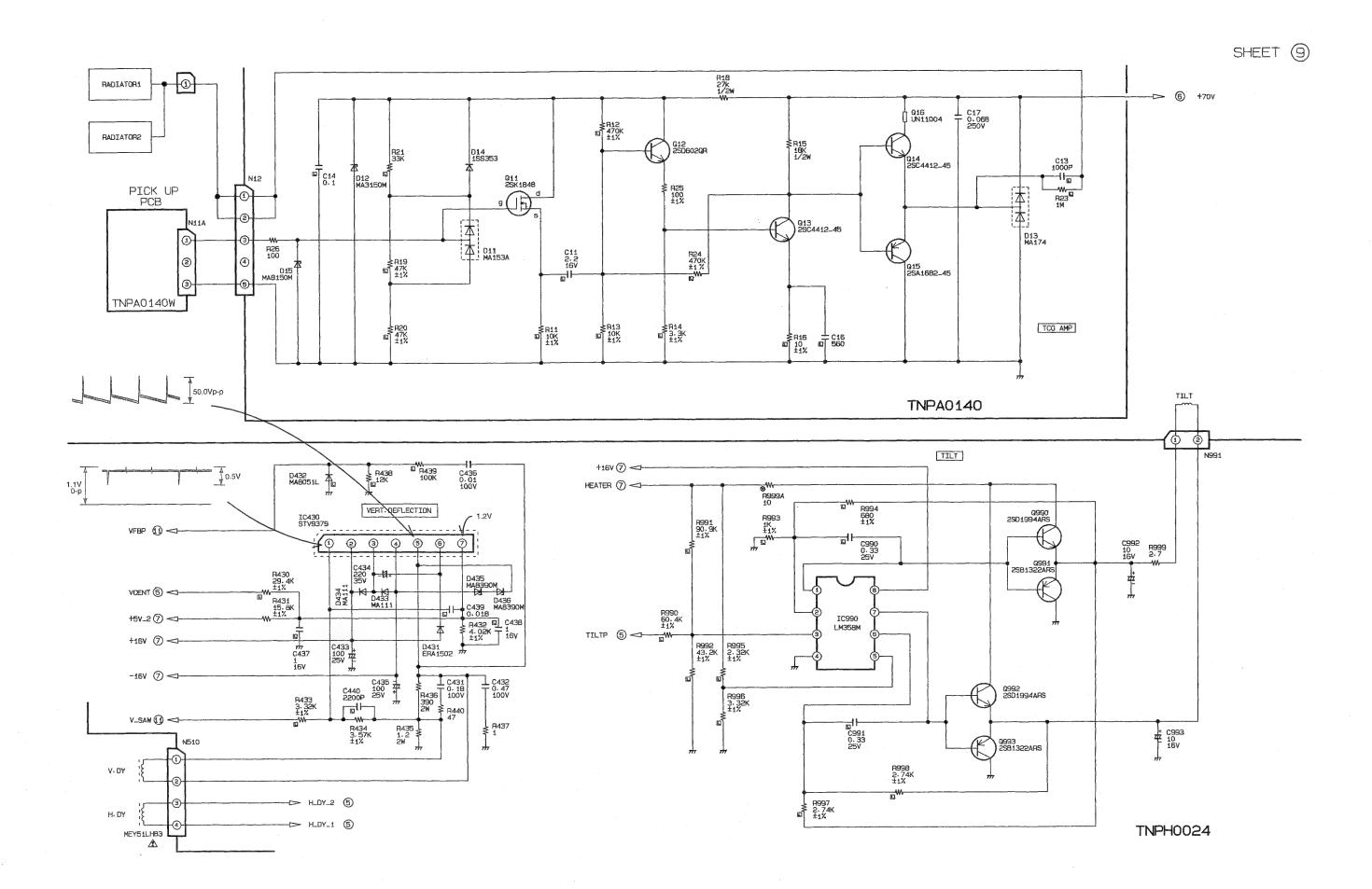


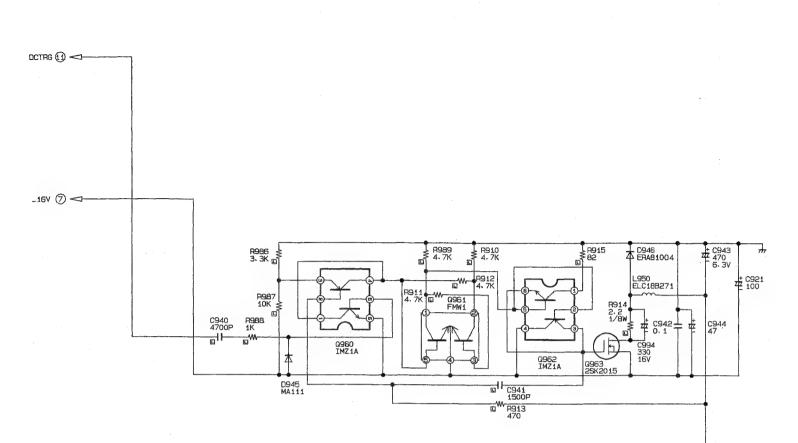








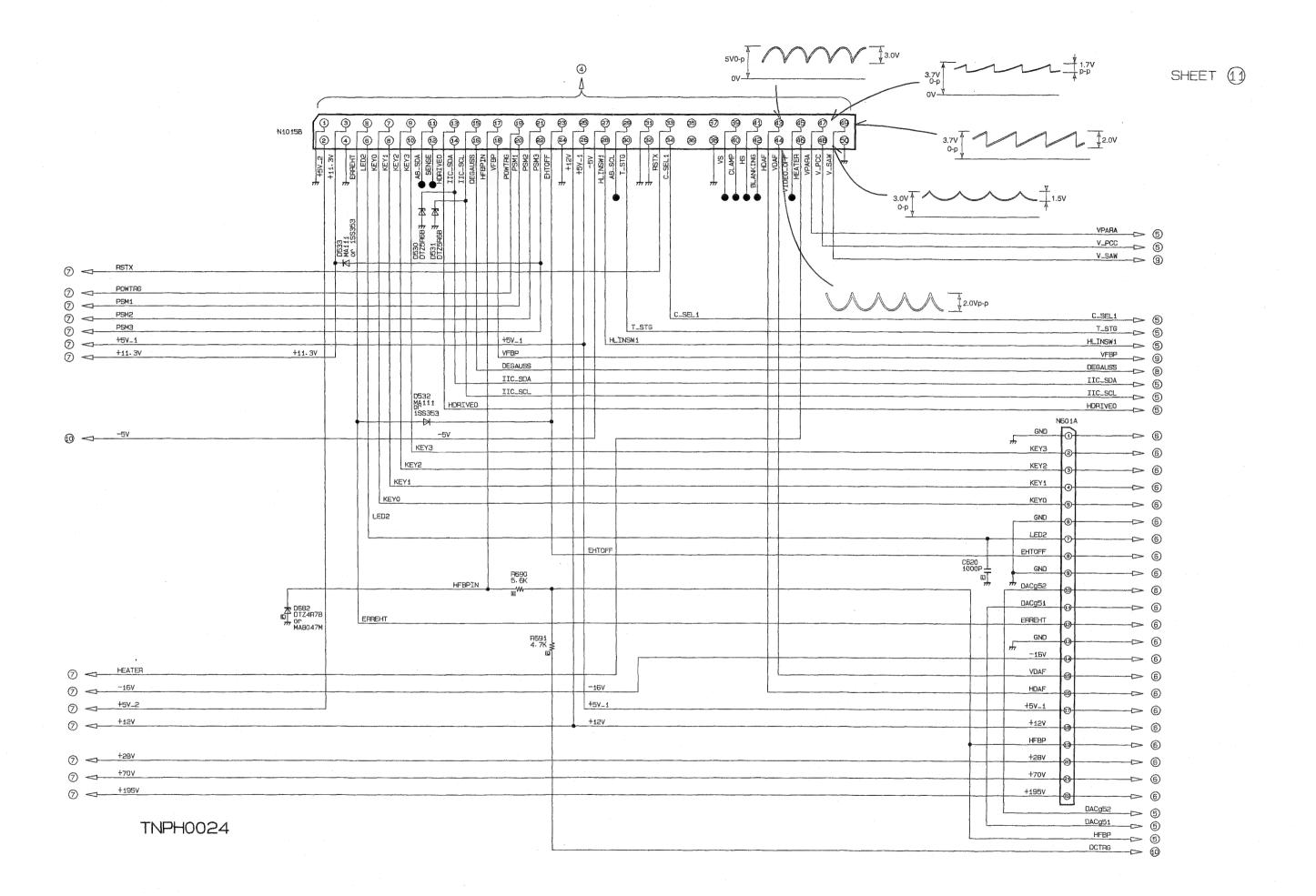




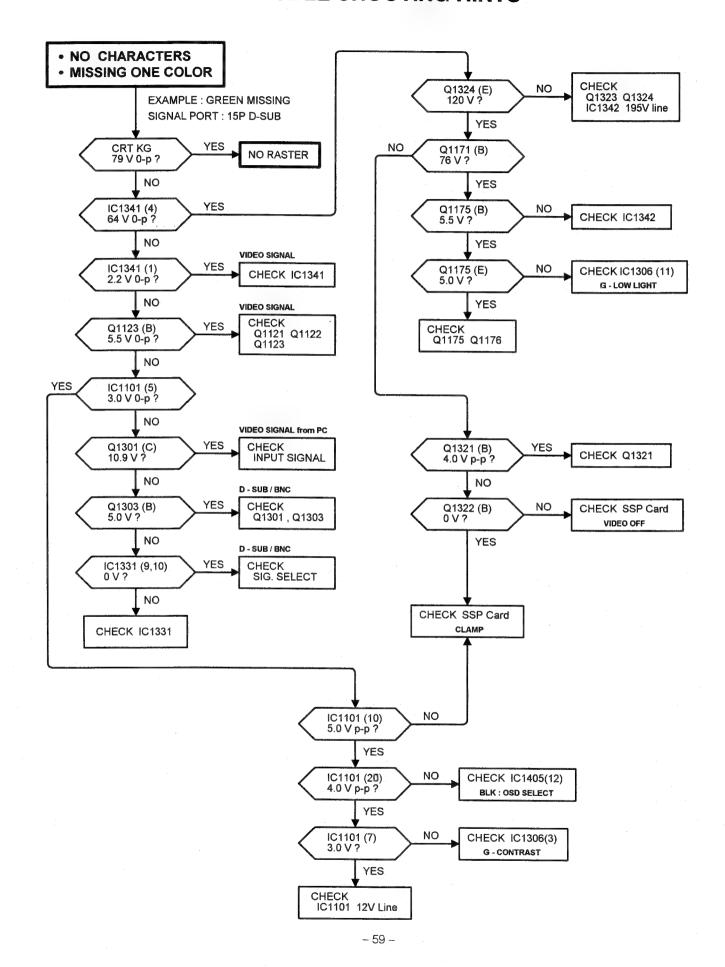
TNPH0024

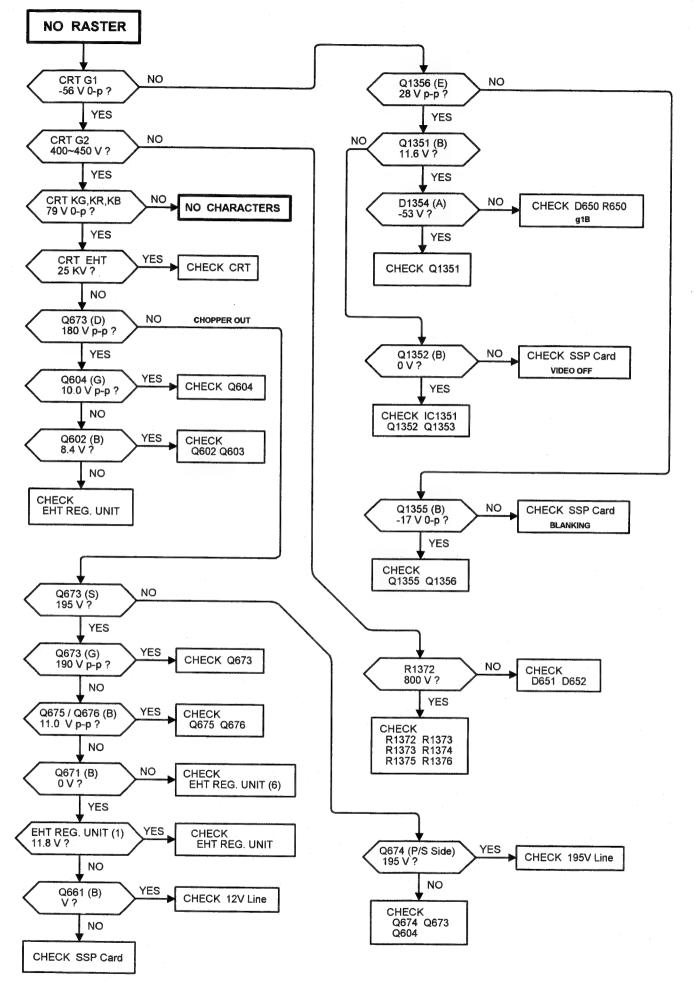
SHEET 10

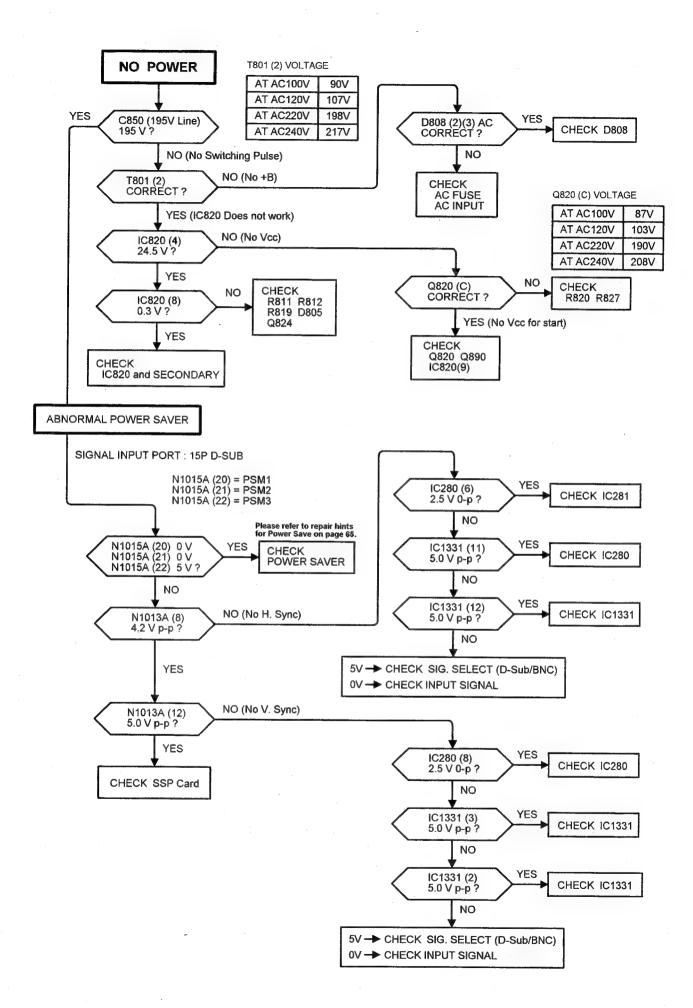
-5V (1) <>-

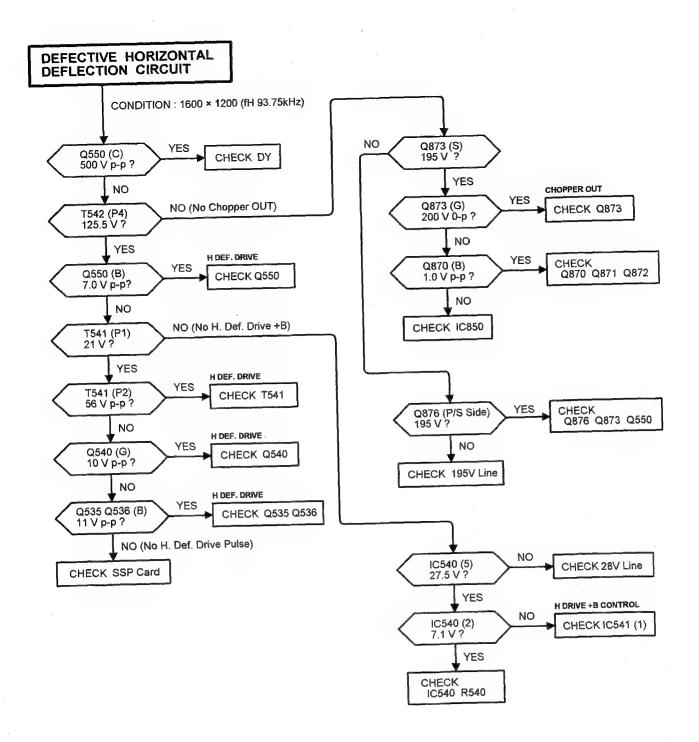


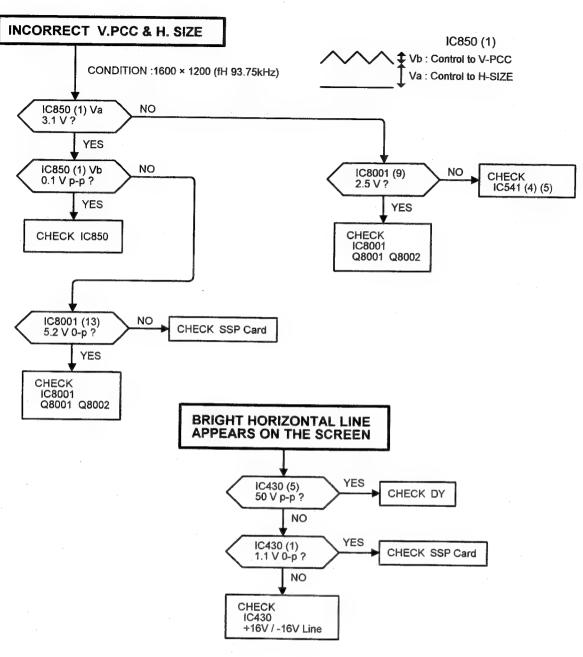
### TROUBLE SHOOTING HINTS

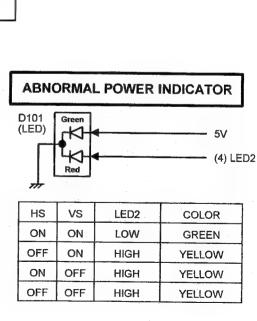


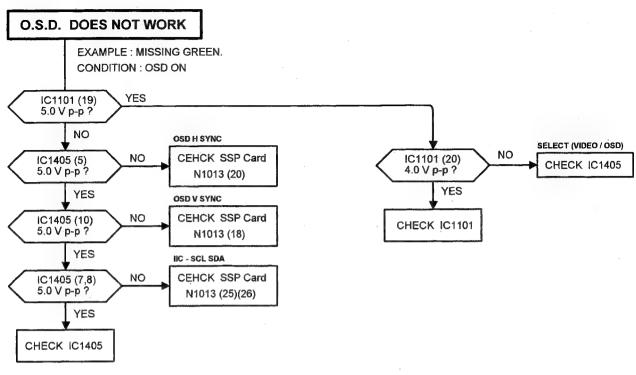


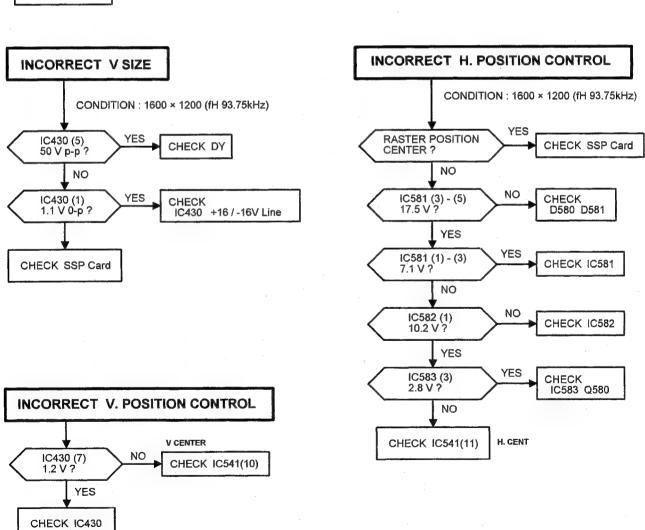


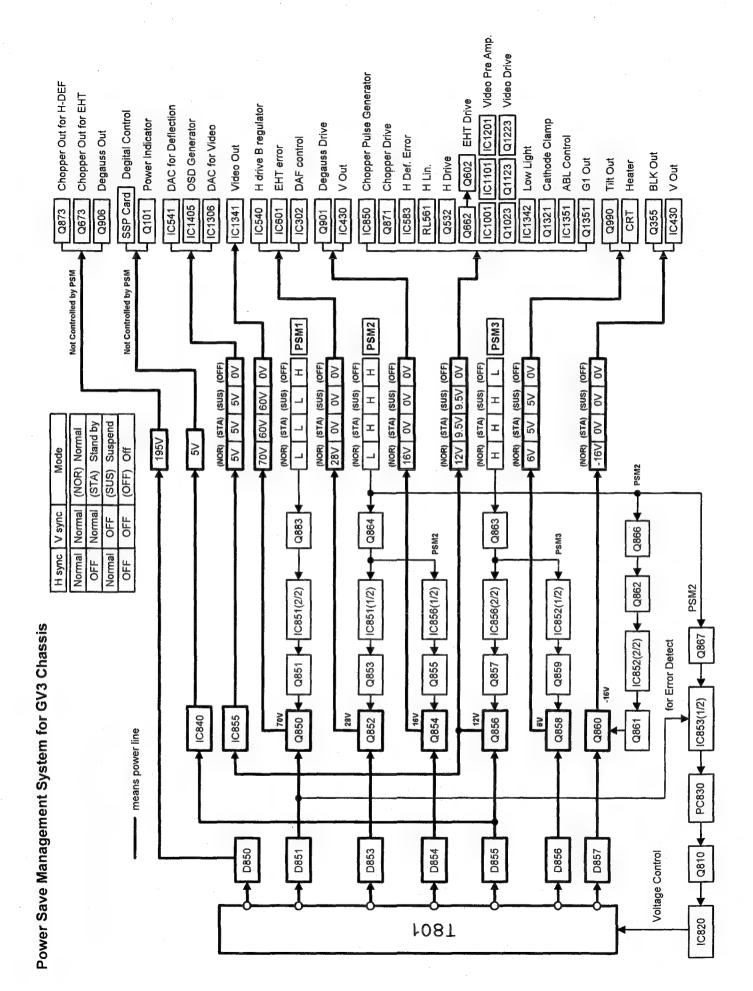


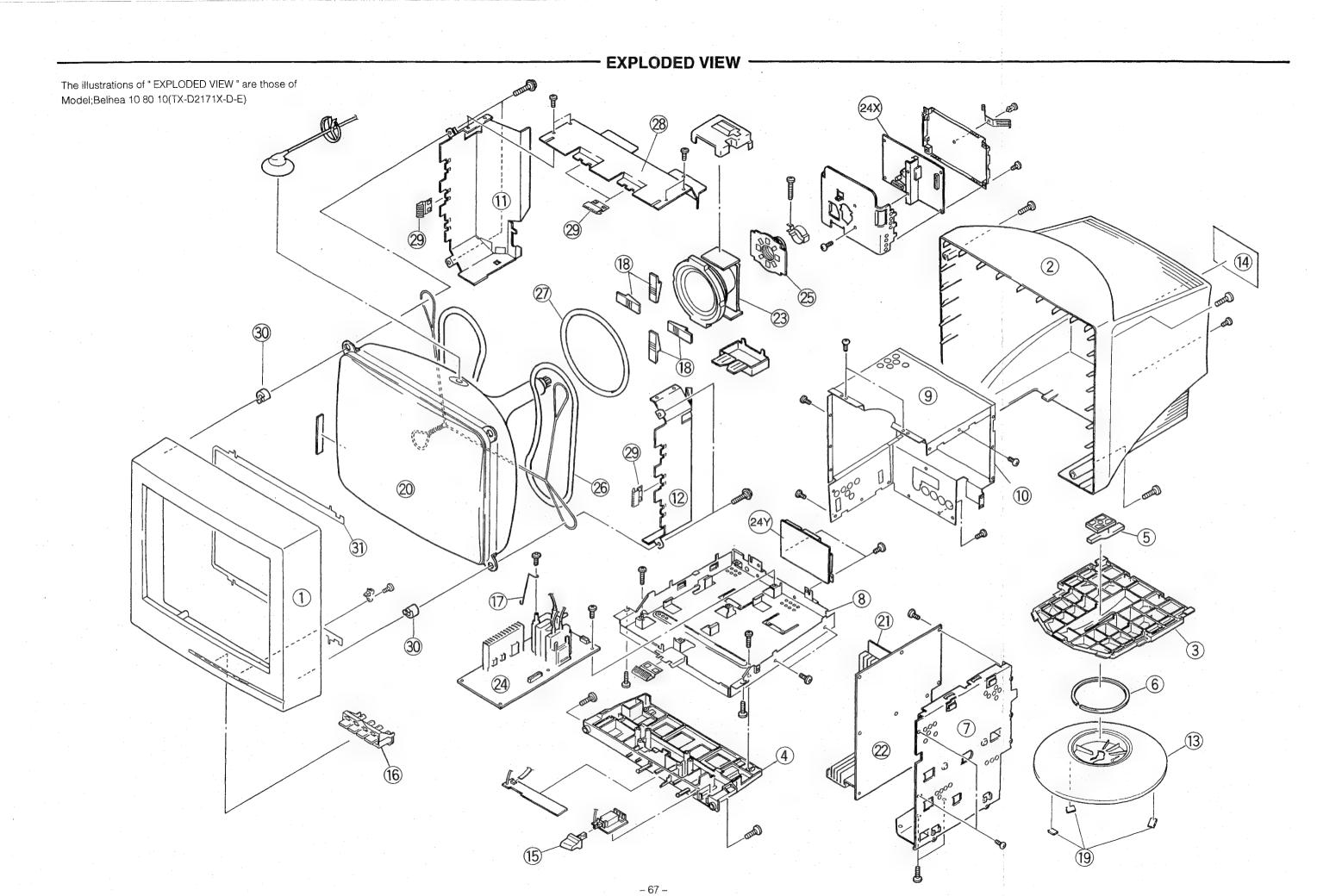












## REPLACEMENT PARTSA LIST -

- Important Safety Notice -

Components identified by the International symbol  $rianline{\Lambda}$  have special characteristics important for safety. When replacing any of these components use only manufacture's specified parts.

#### RESISTOR CAPACITOR PART NAME & DESCRIPTION PART NAME & DESCRIPTION TYPE ALLOWANCE TYPE ALLOWANCE Carbon ± 1% Ceramic C ± 0.25pF Fuse ±5% Electrolytic D ± 0.5pF M Metal Oxide K ± 10% Polyester F ±1pF Solid M ± 20% J ±5% Styrol W Wire Wound G ±2% Tantalum K ± 10% PP Polypropylene L ± 15% M ± 20% P +100% - 0% Z +80% - 20% Part No. Description Part No. Description ERD25TJ104 (C) 100K (J) Example: 1/4W Example: ECKF1H103ZF $\bigcirc$ 0.01 $\mu$ F $\bigcirc$

	Ref.No.	Part No.	Description		Ref.No.	Part No.	Description
							<tx-d2171xd-e, m-2171xd-e=""></tx-d2171xd-e,>
		CABINET &		Δ		TBLB3002-A07	PEDESTAL <m-1f71xd-et></m-1f71xd-et>
l	1	MAIN PARTS	· ·	$\triangle$	14	TBMC686	MODEL NAME LABEL
١,	ĺ .						<tx-d2171xd-e></tx-d2171xd-e>
Ţ		TTYA03202-2	ESCUTCHEON <tx-d2171xd-e></tx-d2171xd-e>	Δ	14	TBMC770	MODEL NAME LABEL
A		TTYA06702-1	ESCUTCHEON <m-2171xd-e></m-2171xd-e>				
<u>A</u>		TTYA06703-1 TKUC01203	ESCUTCHEON <m-1f71xd-et> REAR COVER<tx-d2171xd-e></tx-d2171xd-e></m-1f71xd-et>	A			<m-2171xd-e></m-2171xd-e>
$\Lambda$		TKUC03561	REAR COVER <tx-02171xd-e></tx-02171xd-e>	<u> </u>	14	TBMC957	MODEL NAME LABEL
411	_	1 00003561	REAR COVER N-21/1AD-E	Δ	15	TDV 400 40F	<m-1f71xd-et></m-1f71xd-et>
	2	TKUC03563	REAR COVER <m-1f71xd-et></m-1f71xd-et>	Z±\	15	TBXA03405	KNOB(POWER SWITCH)
$\triangle$	_	TKSG001-A02	BOTTOM CABINET				<tx-d2171xd-e></tx-d2171xd-e>
4	٥	INSUOUT AUE	<tx-d2171xd-e.m-2171xd-e></tx-d2171xd-e.m-2171xd-e>	A	15	TBXA09602	KNOB(POWER SWITCH)
$\Lambda$	2	TKSG001-A07	BOTTOM CABINET	253	13	1 BAA09602	<pre><m-2171xd-e.m-1f71xd-et></m-2171xd-e.m-1f71xd-et></pre>
445	3	INSUOUT AUT	<m-1f71xd-et></m-1f71xd-et>	Δ	16	TBXA03302A	KNOB(CONTROL)
l			117170	ک	10	DAAUSSUZA	<tx-d2171xd-e></tx-d2171xd-e>
Δ	4	TKSG002-A02	BASE CABINET	Δ	16	TBXA09702	KNOB(CONTROL)
-			<tx-d2171xd-e></tx-d2171xd-e>	_	10	DAROSTOZ	KNOB(CONTROL)
	4	TKSG004-A02	BASE CABINET <m-2171xd-e></m-2171xd-e>				<m-2171xd-e.m-1f71xd-et></m-2171xd-e.m-1f71xd-et>
A			BASE CABINET <m-1f71xd-et></m-1f71xd-et>		29	TESA012	SPRING(CRT EARTH)
$\triangle$	1 '	TKPA13802	FRONT PANEL			TESHOO7	FBT SPRING
							EARTH SPRING
			<m-2171xd-e,m-1f71xd-et></m-2171xd-e,m-1f71xd-et>				SPACER RING
$\triangle$		TKKC5021	LED GUIDE <tx-d2171xd-e></tx-d2171xd-e>				
$\triangle$	i .	TKKC5042	LED GUIDE			TMM15412-1	LEAD CLAMPER(BIG)
			<m-2171xd-e,m-1f71xd-et></m-2171xd-e,m-1f71xd-et>			TMM17474	DOUBLE CLAMPER
$\triangle$		TKKL5019-1	BLIND COVER			TMM6428-1	DEGAUSS COIL CLAMPER
						TMM6463	CLAMPER(MIDDLE)
			<m-2171xd-e,m-1f71xd-et></m-2171xd-e,m-1f71xd-et>			TMM7464	DEGAUSS COIL CLAMPER(S)
$\triangle$	5	TKKX5010	CENTER POST				
			<tx-d2171xd-e, m-2171xd-e=""></tx-d2171xd-e,>				CLAMPER
Δ		TKKX5010-1	CENTER POST <m-1f71xd-et></m-1f71xd-et>				PUSH RIVET
1	6	TKKX5011-1	SPACER RING				CRT RUBBER
1	_	T1111100001 1	MATAL DO DOLOR DOLOR		10		RUBBER(WEDGE)
1		TUAA02201-1	MAIN PC BOARD BRACKET			TMM87408	LEAD CLAMPER(SMALL)
1	1	TUAA02501-1 TSAA3004	BOTTOM PLATE RADIATOR			TMMCCOOF	222122
1	1	TUCC5079	SHIELD CASE			TMKG035	SPONGE
1		TUCC5079	SHIELD CASE (REAR)				RUBBER CUSHION(BIG)
	10	1000000	DITTELD CASE(REAR)		1		SET LEG
	1 11	TUCC5083	SHIELD CASE(CRT)R			TQFX040	FERRITE STICK
		TUCC5084	SHIELD CASE(CRT)L			1 WF AU4U	CONDUCTIVE SHEET
		TUCC5085	SHIELD CASE BRACKET			THTFOO1	SCREW(FOR EHT PCB)
		TBLB3002-A02			!		SCREW(FOR CRT)
٠	1 10	ILDEDUCE AUZ	/ LULUIAL		<del></del>	11111020	DUKEW(FUK UKI)

1	Ref.No.	Part No.	Description		Ref.No.	Part No.	Description
		THT1069	SCREW(FOR SHIELD CASE)	$\vdash$		TQF82880	HIGH VOLTAGE LABEL
l		XTB4+12J XTN5+16A	SCREW SCREW			TQF83825-6	SERIAL NO. LABEL
l		KINGTIOA	<tx-d2171xd-e.m-2171xd-e></tx-d2171xd-e.m-2171xd-e>	$\Lambda$		TQF85363-8 TQF86608	CARTON LABEL EARTH CAUTION LABEL
		XTN5+16J	SCREW <m-1f71xd-et></m-1f71xd-et>	-			CANTI CADITOR EADEL
		XTN5+25A	SCREW <m-2171xd-e></m-2171xd-e>			I.C	
		XTV3+8G	SCREW <tx-d2171xd-e></tx-d2171xd-e>		IC101	CU32105A-102	ic
		XTV3+1OA	SCREW		IC102	TVRB024	IC
		XTV3+12J	SCREW	ŀ			IC
		XYA4+EF8	SCREW			24LC16BTISN MM74HC74AMX	IC
		XYE3+EJ10	SCREW		10.00	11074707	
4		M51KYY540X	COLOR PICTURE TUBE			LF347MX	IC
1	1		PC BOARD W/COMPONENT(SSP) PC BOARD W/COMPONENT			LF347MX	IC
Ü		TNP110024-21	(MAIN) <tx-d2171xd-e></tx-d2171xd-e>			TC7WOOF TC74HC14AF	IC
						TVSA0065	ic
1	22	TNPH0024-31	PC BOARD W/COMPONENT				•
			(MAIN) <m-2171xd-e,m-1f71xd-et></m-2171xd-e,m-1f71xd-et>			M52347SP	IC
Δ	24	TXANP32171NM	PC BOARD W/COMPONENT(CRT/			LF347MX STV9379	IC IC
			VIDEO INPUT/EHT/SW/TCO)				ic
							ic
Δ		MEY51LHB3 TLCBOO6-1	DEFLECTION YOKE		70504	10500 51	
<u> </u>	1	TSPA023	CONVERGENCE COIL DEGAUSS COIL		ľ		IC
$\overline{\Lambda}$		TSPF002	TILT COIL				ic
		TSXF089	SIGNAL CORD			LM393MX	IC
		TSXLO13	FLAT CORD(27P)		IC820	STR-S6531	HYBRID IC
			FLAT CORD(2/P)		TC840	L78LRO5C-MA	ic
		TSXLO15	FLAT CORD(7P)				ic
			FLAT CORD(30P)			LM358MX	IC
⚠	•	TSX8484	POWER CORD			LM358MX LM358MX	IC
		TJEA023	TAB TERMINAL		10853	LINISSEINIX	
			2P CONNECTOR ASSY			AN78N08	IC
			1P CONNECTOR ASSY			L78MO5T	IC
	1		1P TERMINAL ASSY 7P CONNECTOR ASSY				IC
			05/11/20/5/1 /35/				ic
			CRT EARTH LEAD				
/ <u>/</u>	1	XBA2C4OTB15L TSMAOO3	FUSE(4.0A) MAGNET				IC
			POLYESTER TAPE(50M)				ic
			COTTON TAPE(55M)		IC1201	M52721SP	IC
	1	T4F90240	MAIRA TAPE		IC1306	MB88141APFTF	IC
		TPCA37201	DUTER CARTON		IC1331	MM74HCTOOMX	ic
			<tx-d2171xd-e></tx-d2171xd-e>		IC1334	AN78LO5M-E1	ic
		TPCA37201A	OUTER CARTON <m-2171xd-e></m-2171xd-e>				HYBRID IC
ĺ		TPCA50501	DUTER CARTON <m-1f71xd-et></m-1f71xd-et>			LM358MX LM324MX	IC IC
		TXAPD1D2171T	FILLER(TOP)		-01001	E-102-717/A	10
		TXAPD3D2162B	FILLER(BOTTOM)				IC
			SET COVER		IC8001	LM324MX	ic
$\triangle$		TQE8513-2 TQBEO113	FUN BAG COVER INSTRUCTION BOOK			TRANSISTORS	
			2001			TRANSISTORS	
Α.		T0050450	<tx-d2171xd-e></tx-d2171xd-e>		IC1332		TRANSISTOR
Δ	`  '	TQBEO129	INSTRUCTION BOOK		IC1333		TRANSISTOR
· <u> </u>	.	TQBEQ129-1	INSTRUCTION BOOK				TRANSISTOR TRANSISTOR
ĺ			<m-1f71xd-et></m-1f71xd-et>		1 1		TRANSISTOR
		TOPEO 4 E 4	THETPHOTTON POOK(TOOOT)			0004440 45	-
ĺ	'	TQBEO151	INSTRUCTION BOOK(TCO95)		1		TRANSISTOR TRANSISTOR
ļ		TQZXO20-1	CONFORMITY SHEET				TRANSISTOR
			PTB LABEL(INNER)		Q102	XN1401	TRANSISTOR
Į		TQFA343	BAR CODE LABEL		Q103	XN4501	TRANSISTOR
1							
			<m-2171xd-e,m-1f71xd-et></m-2171xd-e,m-1f71xd-et>		Q104	XDA114EU.	TRANSISTOR

Ref.No.	Part No.	Description	Ref.No.	Part No.	Description
Q107	IMH11A	TRANSISTOR	Q870	2SC3938R	TRANSISTOR
	IMH11A	TRANSISTOR	Q871	2SD1820AR	TRANSISTOR
	IMD3A	TRANSISTOR	0872	2SB1219AQ	TRANSISTOR
	Į.		1 1		
Q160	2SB1219AQ	TRANSISTOR	1 1 -	2SJ306RB11LB	,
Q350	2SD2394EF	TRANSISTOR	Q881	2SC4080DETD	TRANSISTOR
Q351	2SB1565EF	TRANSISTOR	0882	XDC114EU	TRANSISTOR
			Q883	XDC114EU	TRANSISTOR
	2SC4620V25	TRANSISTOR	1 1	1	
	XDC114EU	TRANSISTOR	Q890	XDC114EU	TRANSISTOR
Q531	2SC3938R	TRANSISTOR	Q891	IMD3A	TRANSISTOR
	2SD1820AR	TRANSISTOR	Q901	2SC3311AR	TRANSISTOR
0500	000101010	TOANGTETOR	h	004400040	TRANSISTOR
	2SB1219AQ	TRANSISTOR		2SA1309AQ	TRANSISTOR
1 *	2SK1468	TRANSISTOR		2SC1473AR	TRANSISTOR
Q535	2SD1820AR	TRANSISTOR	Q904	2SC3311AR	TRANSISTOR
Q536	2SB1219AQ	TRANSISTOR	Q905	2SA1309AQ	TRANSISTOR
	2SK2161RB-LB		0906	2SK1917F91	TRANSISTOR
1	XDC114EU	TRANSISTOR	Q907	2SK1917F91	TRANSISTOR
Q550	2SC5243002FD	TRANSISTOR	0960	IMZ1A	TRANSISTOR
Q560	XDC114EU	TRANSISTOR	Q961	FMW1	TRANSISTOR
	2SK2135	TRANSISTOR	0962	IMZ 1A	TRANSISTOR
-	1		1		
Q562	XDC114EU	TRANSISTOR	Q963	2SK2015	TRANSISTOR
Q563	2SK2161RB-LB	TRANSISTOR	0990	2SD1994AR	TRANSISTOR
1 -	XDC114EU	TRANSISTOR	1 1	2SB1322AR	TRANSISTOR
-	1	•			1
	2SK2161RB-LB		1 1	2SD1994AR	TRANSISTOR
Q566	XDC114EU	TRANSISTOR	Q993	2SB1322AR	TRANSISTOR
	2SK2135	TRANSISTOR	1 1	2SC4270	TRANSISTOR
Q568	UN221F	TRANSISTOR		2SA1764	TRANSISTOR
Q580	2SC1473AR	TRANSISTOR	Q1023	2SC4270	TRANSISTOR
7 -	XDC114EU	TRANSISTOR	1 1	2SC4412-45	TRANSISTOR
			1 1 1		
	2SD1820AR	TRANSISTOR	1 1	2SC4412-45	TRANSISTOR
Q603	25B1219AQ	TRANSISTOR	Q1076	2SA1682-45	TRANSISTOR
0604	FS10SM-18A	TRANSISTOR	01121	2SC4270	TRANSISTOR
			1 1	· ·	I .
1		TRANSISTOR		2SA1764	TRANSISTOR
Q661	XDC114EU	TRANSISTOR	Q1123	2SC4270	TRANSISTOR
	2SB1322AR	TRANSISTOR	01171	2SC4412-45	TRANSISTOR
	XDC114EU	TRANSISTOR	1 '	2SC4412-45	TRANSISTOR
Q671	XDC114EU	TRANSISTOR	Q1176	2SA1682-45	TRANSISTOR
	2SJ307RB11LB	TRANSISTOR	01221	2SC4270	TRANSISTOR
, -					TRANSISTOR
	2SD1820AR	TRANSISTOR		2SA1764	i e
Q676	2SB1219AQ	TRANSISTOR	Q1223	2SC4270	TRANSISTOR
Q685	2SD1820AR	TRANSISTOR	Q1271	2SC4412-45	TRANSISTOR
0044	IMDSA	TRANSISTOR	01075	2SC4412-45	TRANSISTOR
	2SC4620V25	TRANSISTOR		2SA1682-45	TRANSISTOR
Q824	2SD1820AR	TRANSISTOR	Q1301	XDA114EU	TRANSISTOR
	2SB1220R	TRANSISTOR	01302	XDA114EU	TRANSISTOR
	2SB940PLB	TRANSISTOR		XDC114EU	TRANSISTOR
Q851	2SC1473QNC	TRANSISTOR		XDC114EU	TRANSISTOR
Q852	2SB941P	TRANSISTOR	Q1321	2SA1739R	TRANSISTOR
Q853	2SD1819AQ	TRANSISTOR		XDC114EU	TRANSISTOR
	1				· ·
Q854	2SB941P	TRANSISTOR		2SC1473AR	TRANSISTOR
Q855	2SD1819AQ	TRANSISTOR	Q1324	2SC1473AR	TRANSISTOR
Q856	2SB941P	TRANSISTOR	01351	2SB1220R	TRANSISTOR
	2SD1819AQ		1 1	XDC114EU	TRANSISTOR
Q857		TRANSISTOR			
Q858	2SB941P	TRANSISTOR	Q1353	XDC114EU	TRANSISTOR
Q859	2SD1819AQ	TRANSISTOR	Q1354	2SC4632RB7LB	TRANSISTOR
Q860	2SD1266P	TRANSISTOR	1 1	2SC3938R	TRANSISTOR
				25225	TD ( ) ( ) ( )
Q861	2SB1219AQ	TRANSISTOR		2SC3757R	TRANSISTOR
Q862	2SB1218AQ	TRANSISTOR		FMS1A	TRANSISTOR
Q863	IMH11A	TRANSISTOR	Q8002	FMS1A	TRANSISTOR
Q864	XDC114EU	TRANSISTOR		XDC1·14EU	TRANSISTOR
Q865	2SC3938R	TRANSISTOR	1		
2000	LJOOJCOR			DIODES	1
	XDC114EU	TRANSISTOR			
Q866	PEDOLITHEO				

Ref.No.	Part No.	Description		Ref.No	. Part No.	Description
D12	MA3150M	DIODE		D543	ERA81004	DIODE
	MA 174	DIODE		D544	MA4120M	DIODE
	MA 1 1 1	DIODE		D550	FMQ-G5GSLF	DIODE
D15	t e	DIODE		D552	MA 143A	DIODE
1	MA8150M			1		1
D101	SML1816W	DIODE(LED) <tx-d2171xd-e></tx-d2171xd-e>		D553	MA 142WK	DIODE
D101A	SML1816W	DIODE(LED)		D554	MA4200NM	DIODE
		<m-2171xd-e,m-1f71xd-et></m-2171xd-e,m-1f71xd-et>		D561	MA111	DIODE
D102	MA714	DIODE		D580	RL2Z	DIODE
D103	DTZTT115R6B	DIODE		D581	RL2Z	DIODE
D104	DTZTT115R6B	DIODE		D601	DTZTT1115C	DIODE
D105	DTZTT115R6B	DIODE		D650	EU02Z	DIODE
D106	DTZTT115R6B	DIODE		D651	RU1P	DIODE
D107	DTZTT115R6B	DIODE		D652	RU1P	DIODE
D108	DTZTT115R6B	DIODE		D660	MA111	DIODE
D109	DTZTT115R6B	DIODE		D671	MA4091NM	DIODE
D110	DTZTT115R6B	DIODE		D672	RL2Z	DIODE
	i i			D673	RL2Z	DIODE
D111	DTZTT115R6B	DIODE				
D112	DTZTT115R6B	DIODE		D674	MA4390M	DIODE
D113	DTZTT115R6B	DIODE		D676	MA8150M	DIODE
D114	DTZTT115R6B	DIODE		D682	DTZTT114R7B	DIODE
D115	DTZTT115R6B	DIODE		D683	MA8150M	DIODE
D116	DTZTT115R6B	DIODE	⚠	D8O1	ERZVEAV431	VARISTOR
D117	MA714	DIODE		D805	DTZTT117R5A	DIODE
D118	MA152K	DIODE	⚠	D808	RBV606	DIODE
D119	MA152K	DIODE		D810	MASSOOM	DIODE
D123	DTZTT115R6B	DIODE		D811	MA111	DIODE
D124	DTZTT115R6B	DIODE		D812	MA111	DIODE
D125	DTZTT115R6B	DIODE		D820	ERZVEAV431	VARISTOR
L.		,		D821	1	DIODE
D126	DTZTT115R6B	DIODE			RG2A2	1
D127	DTZTT115R6B	DIODE		D822	DTZTT1120C	DIODE
D128	MA357	DIODE		D824	EGO1Z	DIODE
D129	DTZTT115R6B	DIODE		D840	DTZTT115R6B	DIODE
D130	DTZTT115R6B	DIODE		D850	FMC-26UALF	DIODE
					1	1
D160	MA111	DIODE		D851	ERC3806	DIODE
D211	DTZTT115R6B	DIODE		D853	CB903-4	DIODE
0212	DTZTT115R6B	DIODE		D854	RL4Z	DIODE
D231	DTZTT115R6B	DIODE		D855	RL4Z	DIODE
D232	DTZTT115R6B	DIODE		D856	RK49	DIODE
				D857	RL4Z	DIODE
D233 D234	DTZTT115R6B DTZTT115R6B	DIODE		D858	MA1051M	DIODE
						21025
D235	DTZTT115R6B	DIODE		D861	MA 174	DIODE
D236	DTZTT115R6B	DIODE		D862	MA113	DIODE
D237	DTZTT115R6B	DIODE		D863	MA113	DIODE
D3O1	DTZTT115R6B	DIODE		D864	MA 1 1 1	DIODE
D350	MA111	DIODE		D870	MA111	DIODE
D351	MA8056M	DIODE		D871	MA111	DIODE
D352	MA8150M	DIODE		D872	MA111	DIODE
D353	MASSSAM	DIODE		D873	DTZTT1115C	DIODE
D354	MASSSOM	DIODE		D874	MA111	DIODE
D431	ERA 1502	DIODE		D875	MA4091NM	DIODE
D432	MA8051L	DIODE		D876	CB903-4	DIODE
	1			D878	MA8056M	DIODE
D433	MA 1 1 1	DIODE				
D434	MA 1 1 1	DIODE		D890	MA8033H	DIODE
D435 D436	MA8390M MA8390M	DIODE DIODE		D891 D901	MA111 EUO2A	DIODE
D530	DTZTT115R6B	DIODE		D902	EUO2A	DIODE
D531	DTZTT115R6B	DIODE		D903	MTZJ5R1A	ZENER DIODE
D532	MA 1 1 1	DIODE		D904	EUO2A	DIODE
D533	MA111	DIODE		D905	MA111	DIODE
D540	DTZTT114R7B	DIODE		D906	MA 1 1 1	DIODE
D541	MA4150M	DIODE		D945	MA111	DIODE
D542	MA111	DIODE		D946	ERA81004	DIODE

Ref.No.	Part No.	Description		Ref.No.	Part No.	Description
01001	MASOWA	DIODE		D1367	MA4330M	DIODE
	DCC010	DIODE		D1368		DIODE
		1		1		DIODE
	DTZTT113ROB	DIODE		1		•
	155376	DIODE			DTZTT115R6B	DIODE
D1024	1\$\$376	DIODE		D1392	DTZTT115R6B	DIODE
i						
D1031	MA 1 1 1	DIODE		D1401	MA111	DIODE
D1032		DIODE		D1402	MA111	DIODE
		DIODE		D1403		DIODE
D1033					1	DIODE
D1035	1	DIODE		D1404	1	
D1041	MA 1 1 1	DIODE		D8050	MA8200H	DIODE
D1042	MA111	DIODE		1	COIL &	
D1043	MA111	DIODE			TRANSFORMERS	
D1045	MA111	DIODE				
	155376	DIODE		L101	ELJFA5R6JB	CHIP COIL
						LC COMBINATION
D1076	MAIII	DIODE		1	EXCELDR35C	
					EXCELSR35S	LC COMBINATION
D1101	MASOWA	DIODE		L552	EXCELSR35S	LC COMBINATION
D1121	DCC010	DIODE	ľ	L553	EXCELSR35S	LC COMBINATION
	DTZTT113ROB	DIODE				
	1SS376	DIODE	ŀ	L563	ELHKLBO31B	COIL
					B C C C C C C C C C C C C C C C C C C C	•
D1124	1SS376	DIODE			ELHKLB030B	COIL
				L580	ELC12E821	CHOKE COIL
D1131	MA111	DIODE		L581	ELC18B272G	CHOKE COIL
01132		DIODE		L596	TLH85815T	COIL
D1133		DIODE				
		DIODE		L598	ELEY102KA	PEAKING COIL
D1135						
D1141	MA111	DIODE	١.		ELEY102KA	PEAKING COIL
				L601		COIL
D1142	MA111	DIODE		L671	TLU101K106	PEAKING COIL
D1143	MA111	DIODE		L673	TSK8031	FERRITE CORE
D1145		DIODE				
	155376	DIODE		L681	ELEY102KA	PEAKING COIL
					ELF18D656K	LINE FILTER
D1176	MATTI	DIODE	Å			1
			Δ		ELF18D656K	LINE FILTER
D1201	MASOWA	DIODE		L803	TLPF066	CHOKE COIL
D1221	DCC010	DIODE		L804	TLPF066	CHOKE COIL
D1222	DTZTT113ROB	DIODE				
D1223	155376	DIODE		L806	TSK8031	FERRITE CORE
	i e	DIODE		L807	EXCELDR35C	LC COMBINATION
D1224	1SS376	DIODE		)	TLP85708R	CHOKE COIL
			Δ			
D1231	MA111	DIODE		L860	EXCELDR35C	LC COMBINATION
D1232	MA 1 1 1	DIODE		L861	EXCELDR35C	LC COMBINATION
D1233	MA111	DIODE	1	1		
D1235	MA 1 1 1	DIODE		L863	EXCELDR35C	LC COMBINATION
D1241	1	DIODE		L864	TSK8031	FERRITE CORE
1 01241		D100E		L865	TSK8031	FERRITE CORE
		DIODE				· ·
D1242		DIODE		L866	TSK8031	FERRITE CORE
D1243		DIODE		L867	EXCELDR35C	LC COMBINATION
D1245	MA111	DIODE	1			
D1253	155376	DIODE	l	L881	EXCELDR35C	LC COMBINATION
1 1	MA111	DIODE	l	L950	ELC18B271L	CHOKE COIL
			l	1	ELJFA1ROKB	CHIP COIL
1 10000	MA 142K	DIODE	1	1 -	ELJNA82NMB	CHIP COIL
			l		ELJFA1ROKB	CHIP COIL
	MA 142K	DIODE		11118	ELUFAIRUND	CUIT COIL
	MA142K	DIODE	1			
D1306	MA142K	DIODE			ELJNA82NMB	CHIP COIL
	MA4056M	DIODE	١	L1218	ELJFA1ROKB	CHIP COIL
1			I		ELJNA82NMB	CHIP COIL
04220	DTZTT115R6B	DIODE	1		TSK8029	FERRITE CORE
	B .		l	1	TSK8029	FERRITE CORE
1	MA4056M	DIODE	i	L 1330	300023	LARTIE CORE
	DTZTT119R1C	DIODE	l			
D1353	HZT33-09F12	DIODE	1		TSK8029	FERRITE CORE
D1354	HZT33-09F12	DIODE	1	L1356	TSK8029	FERRITE CORE
			1	1	TSK8029	FERRITE CORE
D4255	ERZCO5DK201U	VARISTOR	1	1	TSK8029	FERRITE CORE
			I	l l		1
	EUO2Z	DIODE	1	11367	TSK8029	FERRITE CORE
D1358	MA704	DIODE		1.	L	
D1359	MA 1 1 1	DIODE	1	L1362	TLU100K106	PEAKING COIL
)	MA111	DIODE	1	L1390	ELEXH151KA	PEAKING COIL
			1	T350	ETS28AD259AC	
01000	000 4 4 4	DIODE		T541	ETH19K178AM	H.DRIVE TRANSFORMER
	MA 1 1 1	DIODE	ΙÀ	TE 40		
D1366	MA4330M	DIODE	1 4	T542	ETS29AC1X9AC	I KANSPURMER

	Ref.No.	Part No.		Desc	ription		Ref.No				ription	
Δ	T601	TLFA00965	FL	YBACK TRAN	ISFORM	ER	C196	ECUX1H101JCG	C	100PF	J	50 <b>V</b>
	T801	TLPA028	PO	WER TRANSF	ORMER		C211	ECUX1H121JCG	C	120PF	J	50 <b>V</b>
دشک							C212	ECUX1H150JCN	C	15PF	J	50 <b>V</b>
		CAPACITORS					C213	ECUX1H271JCG	C	270PF	J	50V
		CAPACITORS					C214	ECUX1H103KBG	C	0.01UF	ĸ	50V
	C11	ECUX1C225ZFW	c	2.2UF	Z	16V						
	C13	ECUX1H102KBN	c	1000PF	K	50V	C281	ECEA1HKG010	E	1UF		50 <b>V</b>
	3	ECUX1H1O4ZFX	C	O.1UF	Z	50V	C282	ECEA1HKG2R2	E	2.2UF		50V
		1	7	560PF	ĸ	50V	C287	ECEA1HKG4R7	E	4.7UF		50V
		ECUX1H561KBN					1					50V
	C17	TACBG2E683KT	С	0.068UF	K	250V	C290 C291	ECEA1HKG4R7 ECEA1HKG2R2	E	4.7UF 2.2UF		50V
	C101	ECUX1H150JCN	C	15PF	J	50V						
	1	ECUX1H15OJCN	C	15PF	J	50V	C292	ECUX1H151JCG	C	150PF	J	50V
	C103	ECEVOJG220G	=	22UF	-	6.3V	C294	ECUX1H103KBG	c	0.01UF	K	50V
			<u></u>	0.01UF	K	50V	C295	ECEA1CKG470	E	47UF		16V
		ECUX1H103KBG		- "					-		K	50V
	C108	ECUX1H101JCG	C	100PF	J	50V	C301	ECUX1H103KBG	C	0.01UF		
							C302	ECUX1H104ZFX	C	0.1UF	Z	50V
	C110	ECUX1H1O4ZFX	C	0.1UF	Z	50V						
	C111	ECEAOJGE471	E	470UF		6.3V	C303	ECUX1H104ZFX	C	0.1UF	Z	50V
	C113	ECUX1C104KBX	6	0.1UF	K	16V	C350	ECEA2CGE101	E	100UF		160V
			5	1000PF	K	50V	C351	ECUX1H12OJCN	c	12PF	J	50V
		ECUX1H102KBN	2						-		•	
	C115	ECUX1H102KBN	C	1000PF	K	50V	C352	ECEA1HGE101	E	100UF		50V
							C353	ECUX1H103KBG	С	0.01UF	K	50 <b>V</b>
	C116	ECUX1H101JCG	C	100PF	IJ	50V						
		ECUX1H101JCG	C	100PF	Ű	50V	C354	ECKD3D222JBP	C	2200PF	J	2KV
		ECUX1H104ZFX	6	0.1UF	ž	50V	C355	ECKD2H151KB5	C	150PF	ĸ	500V
			2						E	33UF		25V
		ECUX1H222JCX	6	2200PF	J	50 <b>V</b>	C357	ECEA1EGN330	-		1.0	
	C120	ECUX1H152KBN	C	1500PF	K	50V	C358	ECUX1H153KBX	С	0.015UF	K	50V
		1	1				C359	ECUX1H102KBN	С	1000PF	K	50V
	C122	TCUX1C105KBM	C	1UF	K	16V						
	C130	ECEV1CG100G	E	10UF	,,	16V	C360	ECUX1H563KBW	С	0.056UF	K	50V
									~	0.056UF	K	50V
		ECEAOJGE471	E	470UF	_	6.3V	C361	ECUX1H563KBW				
	C132	ECUX1H1O4ZFX	C	0.1UF	Z	50V	C362	ECUX1H104ZFX	C	0.1UF	Z	50V
	C133	ECEV1CG100G	E	10UF		16V	C363	ECUX 1HO8ODCN	С	8PF	D	50V
							C364	ECUX1H103KBG	C	0.01UF	K	50V
	C134	ECUX1H104ZFX	C	0.1UF	Z	50V						
l	C135	ECUX1H104ZFX	C	0.1UF	Z	50V	C365	ECKD3D102KBP	C	1000PF	K	2KV
	C136	ECUX1H104ZFX	~	0.1UF	Ž	50 <b>V</b>	C366	ECEA1HGE101	Ε	100UF		50V
			2	0.1UF	Z	50V	C367	ECEATVGE101	E	100UF		35V
	C137	ECUX1H104ZFX			2				5			
	C138	ECEV1CG100G	E	10UF		16V	C370	ECQV1H224JL		0.22UF	J	50V
	1						C371	ECUX1H103KBG	С	0.01UF	K	50V
	C139	ECUX1H104ZFX	C	0.1UF	Z	50V			1			
ŀ	C140	ECUX1H1O4ZFX	C	0.1UF	Z	50V	C431	ECQV1184JM	P	0.18UF	J	100V
-	C141	ECUX1H104ZFX	C	0.1UF	Z	50V	C432	ECQV1474JZ	P	0.47UF	J	100V
	C142	ECUX1H1O4ZFX	C	0.1UF	Z	50V	C433	ECEA1EGE101	Ε	100UF		25V
	C143	ECUX1H101JCG		100PF	J	50V	C434	ECEA1VGE221	E	220UF		35V
ŀ	C 143	ECOXINIOIOCO		10011	•	304	C435	ECEA1EGE101	-	100UF		25V
				40000		5014	L435	ECEATEGETOT	-	10001		250
	C144	ECUX1H101JCG	C	100PF	J	50V					1.0	4001
l	C151	ECUX1H1O4ZFX	C	0.1UF	Z	50V	C436	ECQB1103KF	1	0.01UF	K	100V
	C152	ECUX1H1O4ZFX	C	0.1UF	Z	50V	C437	ECUX1C105ZFW	1	1UF	Z	16V
l	C153	ECUX1C224KBX	4	0.22UF	K	16V	C438	ECUX1C105ZFW	C	1UF	Z.	16V
	C154	ECUX1H104ZFX		0.1UF	Z	50V	C439	ECUX1H183KBX	c	0.018UF	K	50V
l	5.54			3	-	- • •	C440	ECUX1H222KBN	c	2200PF	K	50V
	CIEE	ECHY 4H4047EY	h	0.1UF	Z	50 <b>V</b>	1 55				• • •	-0.
l	C155	ECUX1H104ZFX	7				05004	ECHYADARA ION	L	40DE	4	50 <b>V</b>
ı	C162	ECHS1H223JZ	-	0.022UF	J	50V	C530A		C	18PF	J	
ı	C163	ECUX1H151JCG	С	150PF	J	50V	C530B		С	18PF	J	50V
1	C164	ECUX1H151JCG	C	150PF	Ų	50 <b>V</b>	C531	ECQV1H104JL	P	O.1UF	ن	50V
	C165	ECUX1H151JCG	C	150PF	J	50V	C532	ECEA1CGE101	E	100UF		16V
1					-		C533	ECA1AFQ102L	Ε	1000UF		10V
	C166	ECUX1H151JCG	c	150PF	J	50V			1			
				150PF	J	50V	C540	ECEA1HGE470	E	47UF		50V
	C167	ECUX1H151JCG					1		-		v	
	C168	ECUX1H151JCG		150PF	. J	50V	C541	ECKD2H332KB5	С	3300PF	K	500V
	C169	ECUX1C224KBX		0.22UF	K	16V	C542	ECEA1VGE101	Ε	100UF		35V
1	C170	ECUX1H151JCG	C	150PF	J	50V	C543	ECUX1H104ZFX	С	0.1UF	Z	50V
							C544	ECUX1H104ZFX	С	0.1UF	Z	50V
	C171	ECEV1CG470G	E	47UF		16V						
	C173	ECUX1H104ZFX		0.1UF	Z	50V	C545	ECEA1CGE100	E	10UF		16V
		I	1		_				1-		7	50V
	C174	ECEA1CGE471	E	470UF	_	16V	C546	ECUX1H104ZFX		0.1UF	Z	
	C183	ECUX1H104ZFX	C	O.1UF	Z	50V	C550	ECKD3F221KBP	C	220PF	K	3KV
	C184	ECEV1CG100G	E	10UF		16V	C551	ECWH15H332HN	PP	3300PF	Н	1.5KV
ĺ			1				C552	ECWH15H332HN	PP	3300PF	н	1.5KV
	C185	ECUX1H104ZFX	~	O.1UF	Z	50V			1			
	1	1	E		4-	16V	C553	ECWH15H332HN	PP	3300PF	н	1.5KV
	C186	ECEV1CG100G		10UF	_		1 1	1	1 .			
l	C191	ECUX1H1O4ZFX	1	0.1UF	Z	50V	C554	ECWH15H332HN	٢٢	3300PF	H	1.5KV

	Ref.No.	Part No.	Π	Des	cription			Ref.No.	Part No.		Desc	ription	
<del> </del>	C557	ECUX1H104ZFX	C	0.1UF	Z	50V		C822	ECEA1HGE331	E	330UF		50V
1		ECUX1H103KBG	C	0.01UF		50V	1	C824		Ē	47UF		50V
			1		K								
		ECWF2134HBB	PP	0.13UF	Н	200V	1	C825	į	C	0.22UF	M	100V
	C561	ECWF2114HBB	PP	0.11UF	н	200V	1	C826		C	0.022UF	K	50V
İ	C562	ECWF2274HBB	PP	0.27UF	H	200V		C827	ECUX1H681KBN	c	680PF	K	50V
1													
1	1	ECWF2624HBB	PP	0.24UF	Н	200V	1	C828	ECEA1HGE470	E	47UF		50V
	C564	ECWF2185HBB	PP	1.8UF	н	200V		C829	ECEA1HGE4R7	E	4.7UF		50V
1	C565	ECEA1CGE101	E	100UF		16V	$\triangle$	C830	ECKDRS472ME	c	4700PF	M	
	l .	ECWF2134HBB	PP	0.13UF	Н	200V	$\overline{\mathbb{A}}$	-	ECKDRS472ME	C	4700PF	M	1
	ł .	ECKD2H102KB5	h.	1000PF	ĸ	500V	44	C832		c	270PF	K	2KV
	0307	LCRDZITIOZRDS		100011		3000	1	0002	CORDODE / IND.		2.70.1		
	C568	ECKD2H102KB5	c	1000PF	κ	500V		C833	ECUX1H472KBG	c	4700PF	K	50V
i		ECA1CFQ681L	E	680UF		16V		C834		С	470PF	K	50V
	-		E	-				C835		-			1
		ECA1CFQ681L	1-	680UF		16V			ECEA2AGE100	E	10UF		100V
1	C582	ECEA2AGE100	E	10UF		100V		C840	ECQV1H104JL	P	0.1UF	j	50V
	C583	ECUX1H104ZFX	C	0.1UF	Z	50V		C841	ECUX1H103KBG	C	0.01UF	K	50V
							l						
1	C585	TACBH2E224MT	C	0.22UF	M	250V		C842	ECQV1224JM	Ρ	0.22UF	J	100V
1	C586	ECUX1H1O4ZFX	C	O. IUF	Z	50V		C843	ECQV1H334JL	P	0.33UF	J	50V
i i	C587	ECUX1H103KBG	lc.	0.01UF	K	50V	i	C844	ECUX1C224KBW	lc	0.22UF	K	16V
1	C588	TACBH2E224MT		0.22UF	M	250V		C850		Ε	1000UF		250V
			2					1	1				- 1
1	C589	ECUX1C105ZFX	C	1UF	Z	16V		C851	ECOS2CA331AB	Ε	330UF		160V
	C598	ECEA1HGN100	E	10UF		50 <b>V</b>		C852	ECKD3A561KBP	С	560PF	K	1KV
1			E			250V		C853		E	2200UF	18	50V
ı		ECEA2EGE2R2		2.2UF			1		ECA INNGZZZ	_			- 1
1	C600	ECEA1CGE101	Ε	100UF		16V		C854		Ε	4700UF		25.V
1	C601	ECQV1H224JL	P	0.22UF	J	50V		C855	ECEA1EGE222	E	2200UF		25V
1	C602	ECUX1H473KBW	c	0.047UF	K	50V	1	C856	ECEA1CGE222	Ε	2200UF		16V
1	1												Į.
ı	C603	ECWH12H272HS	PP	2700PF	H	1.2KV		C857	ECEA1EGE472	Ε	4700UF		25V
1	C604	ECWH15H122HN	PP	1200PF	н	1.5KV	1	C858	ECEA2AGE221	E	220UF		100V
1	C605	ECWH15H122HN	PP	1200PF	н	1.5KV		C859	ECEATVGE101	E	100UF		35V
1		ECWH12H272HS	PP	2700PF	H	1.2KV		C860	ECEA1EGE221	E	220UF		25V
1	C606		PP				1	1					
1	C607	ECKD3F221KBP	C	220PF	K	3KV		C861	ECEA1CGE221	Ε	220UF		16V
1	C620	ECUX1H102KBN	С	1000PF	K	50 <b>V</b>	1	C862	ECEA1AGE102	E	1000UF		100
1			1										
1	C650	ECEA2CGE100	E	10UF		160V		C863	ECEA1EGE221	E	220UF		25V
1	C660	ECEA2CGE2R2	E	2.2UF		160V		C865		E	100UF		25V
1	C670	ECUX1H103KBG	C	0.01UF	K	50V		C866	ECEA1VGE101	Ε	100UF		35V
1	C671	ECEA2VGE4R7	E	4.7UF		350V		C867	ECEA1HGE330	E	33UF		50V
1													
ł	C672	ECQE2104KF	P	0.1UF	K	200V		C868	ECEA1HGE330	Ε	33UF		50V
1	C673	ECKD2H103ZU	C	0.01UF	Z	500V		C869	ECEA1HGE100	Ε	10UF		50V
1	C674	ECUX1C104KBX	C	0.1UF	K	16V		C870	ECEA2AGE220	E	22UF		100V
	C675	ECWF2334HBB	PP	0.33UF	Н	200V		C871		Ε	47UF		16V
]	C676	ECEA1CGE222	F	2200UF	• • • • • • • • • • • • • • • • • • • •	16V		C872	ECUX 1H103KBG	c	0.01UF	K	50V
1	0070	LOLATOGLEZZ		220001		101	1	00.2			0.0.0.		
1 .	C677	ECQE1184JF	P	0.18UF	J	100V		C873	ECUX1H121JCG	С	120PF	J	50V
1	C678	ECUX1H333KBX	c	0.033UF	ĸ	50V	1	C880		С	120PF	J	50V
1	C679	ECEA1HGN3R3	E	3.3UF	1	50V		C881		c	1000PF	ĸ	50V
1								4					
1	C680	ECEA1CGE220	E	22UF	_	16V		C882		C	150PF	J	50V
	C681	ECUX1H104ZFX	C	0.1UF	Z	50V		C883	ECEA1EGE470	E	47UF		25V
	0000	ECHYALIAO 47EY	L	0.1UF	z	50V		C884	ECUX1H332KBN	C	3300PF	K	50V
1	C682	ECUX1H104ZFX			-	_		1				-	
	C683	ECUX1C334JBW	С	0.33UF	J	16V		C885		E	47UF		35V
	C684	ECEA1HGE3R3	E	3.3UF		50V		C886	ECEA1CGE101	E	100UF		16V
	C685	ECUX1H390JCG	C	39PF	J	50V		C887	ECQE2563JF	P	0.056UF	J	200V
	C686	ECUX1H104ZFX	1	0.1UF	Z	50V		C888	ECEA2EGE4R7	E	4.7UF		250V
1													
	C690	ECUX1H104ZFX		0.1UF	Z	50V		C890		C	1200PF	K	500V
	C691	ECUX1H104ZFX		0.1UF	Z	50V		C891	COGLEGOOM	P	3.3UF	K	200V
A	C801	ECQU2A105MVZ	PP	1UF	M	250V		C892	ECKD2H103ZU	C	0.01UF	Z	500V
	C802	ECKDRS222ME	C	2200PF	М			C894		E	100UF		6.3V
	C803	ECKDRS222ME	C	2200PF	M		1	C898	ECQE2684KF	P	0.68UF	K	200V
			1										
$\triangle$	C805	ECQU2A 105MVZ	PP	1UF	M	250V	1	C901	ECOS2EB471BB	E	470UF		250V
	C807	ECKDRS 102KB	C	1000PF	K			C902	TACCZ335P630	Р	3.3UF	K	630V
1	C811	ECUX1H222KBN		2200PF	K	50V		C903	TACCZ335P630	P	3.3UF	K	630V
1	C812	ECUX1H223KBX		0.022UF	ĸ	50V		C904	ECEA1EGE101	F	100UF		25V
1	C816	ECKD3D561JBP	C	560PF	J	2KV		C906		c	0.1UF	z	50V
	010	LCKU3U301UBP		JOUR	U	Z/\V		0300	LOOKITTOAZIX	ĭ	0.101	~	300
	C820	ECWF4105JZ	PP	. 1UF	J	400V		C921	ECEA1EGE101	E	100UF		25V
	C821	ECQE6473JZ3M	1	0.047UF	J	600V	1	C940		c	4700PF	K	50V
1	,0021		r	3131141				1 10					

Ref.No.	Part No.		Des	cription		Ref.No.	Part No.		Desc	cription	
C941	ECUX1H152KBN	c	1500PF	K	50V	C1135	ECEA1HGN3R3	Ē	3.3UF		50V
1		1				1					
C942	ECQV1H104JL	P	0.1UF	J	50V	C1136	ECUX1H102KBN	C	1000PF	K	50V
C943	ECEAOJGE471	E	470UF		6.3V	C1140	ECUX1H104ZFX	C	0.1UF	Z	50V
	ECEA1EGE470	E	47UF		25V	t I	ECEAOJKG221	E	220UF		6.3V
	ECUX1E334ZFW	c	0.33UF	Z	25V	1	ECUX1H103KBG	c	0.01UF	к	50V
C330	ECUX 1E334ZFW		0.3301	~	254	1 61142	LCOX III IOSKBO		0.0101	K	300
C991	ECUX1E334ZFW	c	0.33UF	Z	25V	C1144	ECUX1H104ZFX	c	0.1UF	Z	50V
		1	10UF	~	16V	1	ECUX1H104ZFX	c	0.1UF	z	50V
1 1	ECEA1CGE100	E								_	
C993	ECEA1CGE100	Ε	10UF		16V	C1146	ECEA1HGEO10	Ε	1UF		50V
C994	ECEA1CGE331	E	330UF		16V	C1148	ECEA1CGE100	Ε	10UF		16V
	ECEA1CGE100	E	10UF		16V	C1151	ECUX1H510JCG	С	51PF	J	50V
C1002	ECEA1CGE100	E	10UF		16V	C1154A	TACBH2E224MT	С	0.22UF	M	250V
	ECEA1CGE470	E	47UF		16V	C1154B	TACBH2E224MT	c .	0.22UF	M	250V
	i e			10			1	~			
	ECUX1H103KBG	-	0.01UF	K	50V		ECKD2H102KB5	_	1000PF	K	500V
C1005	ECUX1C105ZFW	C	1UF	Z	16V	C1158	ECUX 1HO5OCCN	C	5PF	C	50 <b>V</b>
C1006	ECUX1H104ZFX	C	0.1UF	Z	50V	C1171	TACBG2E683KT	С	0.068UF	K	250V
C1008	TACCJ393P100	C	0.039UF		100V	C1172	ECEA2CGEO10	Ε	1UF		160V
C1009	ECUX1H103KBG	C	0.01UF	K	50V	C1173	ECUX1H47OJCG	С	47PF	J	50V
	ECEA1CGE470	E	47UF		16V			E	10UF	_	16V
1						1			_		
	ECEA1CGE101	E	100UF		16V			Ε	10UF		16V
C1012	ECEA1CGE100	E	10UF		16V	C1203	ECEA1CGE470	Ε	47UF		16V
C1013	ECUX1H103KBG	C	0.01UF	K	50V	C1204	ECUX1H103KBG	С	0.01UF	K	50V
	ECUX1H103KBG	C	0.01UF	K	50V	C1205		С	1UF	Z	16V
		1-						-			-
	ECUX1C105ZFW	С	1UF	Z	16V	C1206	ECUX1H104ZFX	С	0.1UF	Z	50V
C1017	ECEA1CGE101	E	100UF		16V	C1208	TACCJ393P100	С	0.039UF		100V
C1021	ECUX1H103KBG	c	0.01UF	K	50V	C1209	ECUX1H103KBG	С	0.01UF	K	50V
C1031	ECEAOJKG221	E	220UF		6.3V	C1210	ECEA1CGE470	Ε	47UF		16V
	ECUX1H103KBG	С	0.01UF	K	50V	C1212	ECEA1CGE100	Ε	10UF		16V
		_	3.3UF		50V			c	0.01UF	K	50V
	ECEA1HGN3R3	E									
C1036	ECUX1H102KBN	C	1000PF	K	50V	C1214	ECUX1H103KBG	С	0.01UF	K	50 <b>V</b>
C1040	ECUX1H104ZFX	C	0.1UF	Z	50V	C1215	ECUX1C105ZFW	C	1UF	Z	16V
		1									
C1041	ECEAOJKG221	E	220UF		6.3V	C1217	ECEA1CGE101	Ε	100UF		16V
C1042	ECUX1H103KBG	C	0.01UF	K	50V			С	0.01UF	K	50V
1 1	1		-							- 1	
	ECUX1H104ZFX	C	0.1UF	Z	50V			Ε	220UF		6.3V
C1045	ECUX1H104ZFX	C	0.1UF	Z	50 <b>V</b>	C1232		С	0.01UF	K	50 <b>V</b>
C1046	ECEA1HGEO1O	E	1UF		50 <b>V</b>	C1235	ECEA1HGN3R3	Ε	3.3UF		50V
C1047	ECUX1C105ZFW	C	1UF	Z	16V	C1236	ECUX1H102KBN	C	1000PF	K	50V
C1048	ECEA1CGE100	F	10UF		16V	C1240	ECUX1H104ZFX	c	0.1UF	Z	50V
		5					ECEAOJKG221	E	220UF	-	6.3V
	ECUX1H510JCG		51PF	J	50V			5			1
	TACBH2E224MT	C	0.22UF	M	250V	1 1 1		С	0.01UF	K	50V
C1054B	TACBH2E224MT	C	0.22UF	M	250V	C1244	ECUX1H104ZFX	C	0.1UF	Z	50V
	ECKD2H102KB5	C	1000PF	K	500V		ECUX1H104ZFX	С	0.1UF	Z	50V
C1058	ECUX1HO5OCCN	C	5PF	С	50 <b>V</b>	C1246	ECEA1HGEO10	E	1UF		50V
	TACBG2E683KT	С	0.068UF	K	250V			С	1UF	Z	16V
4 1	ECEA2CGE010	E	1UF	• •	160V			Ē	10UF	_	16V
	ECUX1H470JCG	C	47PF	J	50V			C	51PF	J	50V
1 210/3	ECUX 1847000G		4/77	U	30 <b>V</b>	1 1231	LCOX INSTOUCG	~	JIFF	U	30 <b>v</b>
01101	ECEA1CGE100	E	10UF		16V	C125/A	TACBH2E224MT	С	0.22UF	М	250V
1	ECEA1CGE100	Ε	10UF		16V	1		С	0.22UF	M	250V
C1103	ECEA1CGE47O	E	47UF		16V	C1255	ECKD2H102KB5	C	1000PF	K	500V
	ECUX1H103KBG	C	0.01UF	K	50V	C1258	ECUX 1HO5OCCN	C	5PF	С	50V
	ECUX1C105ZFW	C	1UF	Z	16V			C	0.068UF	ĸ	250V
1 51103	LOUXICIOUZEW		101	_	104	["""	- AODGE COOK		3.00001	15	V
C1106	ECUX1H104ZFX	c	0.1UF	Z	50V	C1272	ECEA2CGEO10	E	1UF		160V
	TACCJ393P100	C		4.	100V	1		C	47PF	J	50V
		1	0.039UF								
		C	0.01UF	K	50V			С	3300PF	J	2KV
C1110	ECEA1CGE470	E	47UF		16V	C1302	TCUX2H101JCM	C	100PF	J	500V
	ECEA1CGE100	E	10UF		16V			С	56PF	J	50V
		1									
C1113	ECUX1H103KBG	c	0.01UF	K	50V	C1305	ECUX1H102KBN	С	1000PF	K	50V
		c	0.01UF	K	50V	1	1	c	1000PF	ĸ	50V
		1.			-		1				
1		C	1UF	Z	16V			C	1000PF	K	50V
C1117	ECEA1CGE101	E	100UF		16V	C1309	ECUX1H560JCG	C	56PF	J	50V
C1121	ECUX1H103KBG	c	0.01UF	K	50V	C1311	ECUX1H103KBG	С	0.01UF	K	50V
									_		
C1131	ECEAOJKG221	E	220UF		6.3V	C1312	ECUX1H103KBG	С	0.01UF	K	50V
	ECUX1H103KBG		0.01UF	K	50V		ECUX1H103KBG		0.01UF	ĸ	50 <b>V</b>
	,	1-						-			

	Ref.No.	Part No.		Descri	ptior	1	Ref.No.			Descri	ptio	
	C1320	TACCG102P200	C	1000PF		200V	J2	ERJ6GEYOROO	М	O OHM		1/10W
	C1321	ECUX 1H102KBN	c	1000PF	K	50V	U101B	ERJ6GEYOROO	М	O DHM		1/10W
	C1322	ECUX1H101JCG	c	100PF	J	50V	J301	ERJ8GCYOROO	М	O OHM		1/8W
		TACCJ103P200	C	0.01UF	_	200V	1303	ERJ8GCYOROO	M	O OHM		1/8W
		ECUX 1H103KBG	c	0.01UF	K	50V	1	ERJ8GCYOROO	м	O DHM		1/8W
			L	45115				1000V0D00	١.	0.0114		4 /014
		ECEAOJKG470	E	47UF		6.3V	1	ERJ8GCYOROO	M	O OHM		1/8W 1/10W
		ECUX1H103KBG	-	0.01UF	K	50V		ERJ6GEYOROO		O OHM		
	1	ECUX1H103KBG	C	0.01UF	K	50V	1	ERJ6GEYOROO	M	O OHM		1/10W
	C1335	ECUX1H103KBG	C	0.01UF	K	50V	J505	ERJ6GEYOROO	M	O OHM		1/10W
		ECEA1CKG470	E	47UF		16V	J509	ERJ6GEYOROO	М	O DHM		1/10W
	C1337	ECUX1H103KBG	c	0.01UF	K	50V	J602	ERJ8GCYOROO	М	O OHM		1/8W
		ECUX 1H103KBG	c	0.01UF	ĸ	50V		ERJ8GCYOROO	М	O OHM		1/8W
- 1		1	1-		-		1	ERUSGCYOROO	м	O OHM		1/8W
- 1		ECEA2CGE220	E	22UF		160V		1	1.			
		ECKD2H471KB5	C	470PF	K	500V		ERD25TCO	C	O OHM		1/4W
	C1341	ECKD2H103ZU	C	0.01UF	Z	500 <b>V</b>	J1002	ERJ6GEYOROO	M	O OHM		1/10W
	C1342	ECEA2EGEO10	E	1UF		250V	R11	ERJ6ENF1002	м	10K OHM	F	1/10W
		ECUX1H103KBG	C	0.01UF	K	50 <b>V</b>	R12	ERJ6ENF4703	М	470K OHM	F	1/10W
		ECEA1HKG010	E	1UF	. •	50V	R13	ERJ6ENF1002	М	10K OHM	F	1/10W
		ECEATHKG010	E	1UF		50V	R14	ERJ6ENF3301	М	3.3K OHM	F	1/10W
												1/2W
	C1347	ECEA1CKG220	E	22UF		16V	R15	ERDS1FJ183	6	18K OHM	J	1/2W
		ECUX1H103KBG	С	0.01UF	K	50V	R16	ERJGENF 1 ORO	M	10 DHM	F	1/10W
	C1349	ECEA2DGE100	E	10UF		200V	R18	ERDS1FJ273	C	27K OHM	J	1/2W
	C1350	ECEA2CGE220	E	22UF		160V	R19	ERJ6ENF4702	М	47K OHM	F	1/10W
		ECEA1HGE100	Ε	10UF		50V	R20	ERJ6ENF4702	M	47K OHM	F	1/10W
	1	ECQE2104KF	6	0.1UF	K	200V	R21	ERJ6GEYJ333	м	33K OHM	Ü	1/10W
	C1352	COVEZ TUAKE		O. IUF	^	2004	K41	LAUGGET USSS	1	22K CILIM	J	
		ECUX 1H22OJCN	c	22PF	J	50V		ERJ6GEYJ105	М	1M OHM	J	1/10W
	C1354	ECQE10473KF	P	0.047UF	K	1KV	R24	ERJ6ENF4703	М	470K OHM	F	1/10W
	C1355	ECUX1H102KBN	C	1000PF	K	50V	R25	ERJ6ENF1000	M	100 OHM	F	1/10W
	1	ECUX1H103KBG	c	0.01UF	K	50V	R26	ERDS2TJ101	c	100 OHM	J	1/4W
		ECKD3D272KBP	C	2700PF	K	2KV	R101	ERJ6GEYJ103	М	10K OHM	J	1/10W
	04050	TACCG102P200		1000PF		200V	R102	ERJ6GEYJ103	M	10K OHM	J	1/10W
									1 .	*		
	1	ECUX1H683KBW	С	0.068UF	K	50V	1	ERJ6GEYJ103	М	10K DHM	Ĵ	1/10W
		ECEAOJGE101	E	100UF		6.3V		ERJ6GEYJ222	М	2.2K OHM	Ų	1/10W
	C1362	ECUX1H103KBG	C	0.01UF	K	50V	R105	ERJ6GEYJ222	M	2.2K DHM	J	1/10W
	C1363	ECEA1CGE101	E	100UF		16V	R106	ERJ6GEYJ103	М	10K OHM	J	1/10W
	C1364	ECEA1CGE470	F	47UF		16V	R107	ERJ6GEYJ103	м	10K DHM	J	1/10W
	1	ECUX 1H103KBG	C	0.01UF	K	50V	R108	ERJ6GEYJ391	М	390 OHM	J	1/10W
		1					R109		м	10K OHM	J	1/10W
		ECUX 1H102KBN	C	1000PF	K	50V		ERJ6GEYJ103	r .			
		ECEA1EGE470 TACBJ2H221KT	E	47UF 220PF	Κ.	25V 500V	R110 R111	ERJ6GEYJ103 ERJ6GEYJ152	М	10K OHM	J	1/10W 1/10W
		TACBJ2H221KT		220PF	K	500V		ERJ6GEYJ122	M	1.2K OHM	J	1/10W 1/10W
		TACCJ102P500		1000PF	1.0	500V		ERJ6GEYJ104	М	100K OHM	J	
	C1390	ECUX1H103KBG	C	0.01UF	K	50V	1 1	ERJ6GEYJ104	М	100K OHM	J	1/10W
	C1391	ECUX1H473KBW		0.047UF	K	50V	1 1	ERJ6GEYJ392	М	3.9K OHM	J,	1/10W
		ECUX1H330JCG	С	33PF	J	50V	R121	ERJ6GEYJ103	М	10K DHM	J	1/10W
	C1393	ECUX1H103KBG	c	0.01UF	K	50V	R123	ERJ6GEYJ122	м	1.2K OHM	J	1/10W
		ECEA1CGE101	E	100UF	-	16V		ERJ6GEYJ392	М	3.9K OHM	Ū	1/10W
		ECUX 1H330JCG		33PF	J	50V	R125	ERJ6GEYJ473	М	47K OHM	Ĵ	1/10W
					9		1 1		1 .			1/10W
		TACCJ102P500		1000PF		500V	R126	ERJ6GEYJ272	М	2.7K OHM	J	
	C1397	ECEAOJGE101	E	100UF		6.3V	R127	ERJ6GEYJ272	М	2.7K OHM	J	1/10W
		ECUX1H101JCG		100PF	J	50V	R128	ERJ6GEYJ102	м	1K OHM	J	1/10W
	C1401	ECUX1H103KBG	C	0.01UF	K	50V	R129	ERJ6GEYJ122	М	1.2K OHM	J	1/10W
		ECUX1H103KBG		0.01UF	K	50V	R130	ERJ6GEYJ154	М	150K OHM	J	1/10W
		ECUX 1H103KBG		0.01UF	ĸ	50V	R131	ERJ6GEYJ272	м	2.7K DHM	J	1/10W
		ECUX 1H103KBG		22PF	Ĵ	50V	R132	ERJ6GEYJ272	М	2.7K OHM	J	1/10W
				400000		F0);	1	ED 10057 1030		0 74 017		4/400
		ECUX 1H102KBN	C	1000PF	K	50V	R133	ERJ6GEYJ272	M	2.7K OHM 2.7K OHM	J	1/10W 1/10W
	C8002	ECUX1H273KBX		0.027UF	K	50 <b>V</b>	R134	ERJ6GEYJ272	1.			
							R135	ERJ6GEYJ471	М	470 DHM	J	1/10W
		RESISTORS					R136	ERJ6GEYJ470	M	47 OHM	J	1/10W
		1					R137	ERJ6GEYJ470	M	47 OHM	J	1/10W
			L				1 1					-
		ERJ6GEYOROO ERJ6GEYOROO	M	O DHM O DHM		1/10W 1/10W	R138	ERJ6GEYJ561	м	560 DHM	ن	1/10W

Ref.No.	Part No.		Descri	ptio			Ref.No.	Part No.		Descri	ptio	
R140	ERJ6GEYJ103	М	10K DHM	J	1/10W		R271	ERJ6GEYJ223	М	22K OHM	J	1/10W
R141	ERJ6GEYJ103	M	10K OHM	J	1/10W		R272	ERJ6GEYJ223	М	22K OHM	J	1/10W
R142	ERJ6GEYJ103	м	10K OHM	Ū	1/10W		R273	ERJ6GEYJ223	М	22K OHM	J	1/10W
1	1							1	м		J	1/10W
R143	ERJ6GEYJ683	М	68K OHM	J	1/10W		R274	ERJ6GEYJ223	Ι.	22K OHM		
R145	ERJ6GEYJ103	M	10K DHM	J	1/10W		R282	ERJ6ENF4992	М	49.9K OHM	F	1/10W
R146	ERJ6GEYJ103	M	10K DHM	J	1/10W		R283	ERJ6ENF8451	м	8.45K OHM	F	1/10W
R149	ERJ6GEYJ822	M	8.2K OHM	J	1/10W	1	R284	ERJ6ENF8451	М	8.45K OHM	F	1/10W
1		Ι.		-	1/10W			ERJ6GEYJ152	М	1.5K OHM	Ü	1/10W
	ERJ6GEYJ222	M	2.2K DHM	J		1	R286		1 .			
R151	ERJ6GEYJ222	M	2.2K DHM	J	1/10W	1	R288	ERJ6ENF1501	M	1.5K OHM	F	1/10W
R152	ERJ12YJ471	М	470 OHM	J	1/2W		R292	ERJ6GEYJ433	М	43K OHM	J	1/10W
R153	ERJ6GEYJ222	M	2.2K OHM	j	1/10W		R293	ERJ6GEYJ103	м	10K DHM	J	1/10W
		f -		-	1/10W			1	М	10K DHM	F	1/10W
R154	ERJ6GEYJ102	M	1K OHM	J		1	R301	ERJ6ENF1002				
R155	ERJ6GEYJ224	M	220K OHM	J	1/10W		R302	ERJ6ENF1502	M	15K OHM	F	1/10W
R156	ERJ6GEYJ224	M	220K OHM	J	1/10W		R303	ERJ6ENF 1002	М	10K DHM	F	1/10W
R161	ERJ6GEYJ102	M	1K OHM	J	1/10W		R304	ERJ6ENF1002	M	10K OHM	F	1/10W
2460	ED ICCENTILE		4 EV OUM		1/10W		DOOE	ED.IECEV.HO2	М	1K OHM	J	1/10W
R162	ERJ6GEYJ152	M	1.5K OHM	J			R305	ERJ6GEYJ102	1.			
R163	ERJ6GEYJ683	M	68K DHM	J	1/10W		R306	ERJ6GEYJ154	М	150K DHM	J	1/10W
R164	ERJ6GEYJ102	M	1K OHM	IJ	1/10W	1	R307	ERJ6GEYJ154	M	150K OHM	J	1/10W
R165	ERJ6GEYOROO	M	O OHM		1/10W		R350	ERX3FJX3R9D	M	3.9 OHM	J	3W
R166	ERJ6GEYJ103	м	10K DHM	J	1/10W	1	R351	ERJ6GEYJ223	м	22K OHM	J	1/10W
V 100	EROOGETO 103	["	ION OUM	Ü	17 TOW		1	- 100gE 10223	1.	EEN OIN		., .0#
R167	ERJ6GEYJ103	М	10K DHM	J	1/10W		R352	ERJ6ENF1432	М	14.3K OHM	F	1/10W
R170	ERJ6ENF2202	M	22K OHM	F	1/10W		R354	ERJ6ENF5621	М	5.62K OHM	F	1/10W
R171	ERJ6ENF5622	М	56.2K OHM	F	1/10W	1	R355	ERJ6ENF3922	М	39.2K OHM	F	1/10W
		М	56.2K OHM	F	1/10W	1	R356	ERJ6ENF3242	м	32.4K OHM	F	1/10W
R172 R173	ERJ6ENF5622 ERJ6ENF6802	M	68K DHM	F	1/10W 1/10W		R357	ERJ8ENF 1502	M	15K OHM	F	1/8W
1		[	00.0	•			[					
R174	ERJ6GEYJ270	М	27 OHM	J	1/10W		R358	ERJ6GEYJ333	M	33K OHM	J	1/10W
R175	ERJ6GEYJ270	M	27 OHM	J	1/10W		R359	ERDS2TJ184	CC	180K CHM	J	1/4W
R184	ERJ6GEYJ563	M	56K OHM	J	1/10W	1	R360	ERDS2TJ184	lc	180K OHM	J	1/4W
i i	ERJ6GEYJ563	м	56K OHM	J	1/10W		R361	ERDS2TJ184	C	180K OHM	Ĵ	1/4W
R185	1	1.										
R186	ERJ6GEYJ563	M	56K OHM	J	1/10W		R362	ERDS2TJ154	С	150K OHM	J	1/4W
R187	ERJ6GEYJ563	M	56K OHM	J	1/10W		R363	ERDS2TJ154	c	150K OHM	J	1/4W
R191	ERJ6GEYJ271	M	270 DHM	Ĵ	1/10W		R364	ERDS2TJ274	0000	270K OHM	Ū	1/4W
	1	Γ.		-								1/4W
R192	ERJ6GEYJ271	М	270 DHM	J	1/10W		R365	ERDS2TJ274	C	270K OHM	J	
R199	ERJ6GEYJ472	M	4.7K OHM	J	1/10W		R366	ERDS1FJ224		220K OHM	J	1/2W
R200	ERJ6GEYJ471	М	470 DHM	J	1/10W		R367	ERJ6GEYJ682	М	6.8K OHM	J	1/10W
R201	ERJ6GEYJ101	м	100 DHM	J	1/10W		R368	ERJGENF 1003	м	100K DHM	F	1/10W
	ERJ6GEYJ471	м	470 DHM	J	1/10W	1	R369	ERJ6ENF5622	М	56.2K OHM	F	1/10W
R204				-			1		Ι.			
R205	ERJ6GEYJ101	M	100 DHM	J	1/10W	1	R370	ERJ6GEYJ564	М	560K OHM	J	1/10W
R207	ERJ6GEYJ471	M	470 DHM	J	1/10W		R371	ERJ6GEYJ272	M	2.7K OHM	J	1/10W
R208	ERJ6GEYJ471	М	470 DHM	j	1/10W		R372	ERJ6GEYJ393	М	39K OHM	Ú	1/10W
2000	ED 100EV 1474		470 0192		4/400		D270	ED. ICCEV. 1909	Na.	20V OUM	. 1	1/109
R209	ERJ6GEYJ471	M	470 OHM	J	1/10W		R373	ERJ6GEYJ393	М	39K OHM	J	1/10W
R210	ERJ6GEYJ472	M	4.7K OHM	J	1/10W	1	R374	ERJ6GEYJ103	М	10K OHM	J	1./10W
R211	ERJ6GEYJ471	М	470 OHM	J	1/10W		R375	ERDS1FJ102	C	1K OHM	J	1/2W
R212	ERJ6GEYJ471	М	470 DHM	J	1/10W		R376	ERJ6GEYJ102	М	1K OHM	J	1/10W
R213	ERJ6GEYJ334	М	330K OHM	J	1/10W		R377	ERJ6GEYJ100	м	10 OHM	J	1/10W
1												4 / 4 = 1 :
R214	ERJ6GEYJ334	M	330K OHM	J	1/10W	1	R378	ERJ6GEYJ563	М	56K OHM	J	1/10W
R222	ERU6GEYJ103	M	10K OHM	IJ	1/10W	1	R379	ERJ6GEYJ274	М	270K OHM	J	1/10W
R223	ERJ6GEYJ103	M	10K DHM	Ū	1/10W		R430	ERJ6ENF2942	М	29.4K OHM	F	1/10W
R224	ERJ6GEYJ563	М	56K OHM	J	1/10W		R431	EROS2CKF1582	М	15.8K OHM	F	1/4W
R225	ERJ6GEYJ271	M	270 OHM	J	1/10W		R431	EROS2CKF4021	М	4.02K OHM	F	1/4W
				-								
R226	ERJ6GEYJ271	М	270 OHM	J	1/10W		R433	ERJ6ENF3321	М	3.32K OHM	F	1/10W
R231	ERJ6GEYJ102	M	1K OHM	J	1/10W		R434	EROS2CKF3571	M	3.57K OHM	F	1/4W
R232	ERJ6GEYJ102	M	1K OHM	J	1/10W		R435	ERX2SJ1R2	М	1.2 OHM	J	2W
R233	ERJ6GEYJ102	М	1K OHM	J	1/10W		R436	ERG2SJ391	М	390 OHM	J	2W
R234	ERJ6GEYJ102	M	1K OHM	J	1/10W		R437	ERDS2TJ1RO	С	1 OHM	J	1/4W
R235	ERJ6GEYOROO	M	O OHM		1/10W		R438	ERJ6GEYJ123	М	12K OHM	J	1/10W
R236	ERJ6GEYOROO	M	O OHM		1/10W		R439	ERJ6GEYJ104	М	100K DHM	J	1/10W
R237	ERJ6GEYOROO	M	O OHM		1/10W	1	R440	ERDS2TJ470	C	47 OHM	J	1/4W
R240	ERJ6GEYJ271	M	270 OHM	J	1/10W	1	R528	ERJ6ENF3322	М	33.2K OHM	F	1/10W
R240 R241	ERJ6GEYJ271	М	270 OHM	J	1/10W		R528	ERJ6ENF1102	М	11K OHM	F	1/10W
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			_,,_	_	.,					2 2 2 2 3 1 1 1	•	.,
1	ERJ6GEYJ222	M	2.2K OHM	J	1/10W	1	R530	ERQ12AJ4R7	F	4.7 OHM	J	1/2W
R242 R243	ERJ6GEYJ222	M	2.2K OHM	Ū	1/10W		R531	ERJ6GEYJ103	М	10K DHM	J.	1/10W

R532 R533	. Part No.		De	escri	ptio	n	Ref.No	o. Part No.		Descri	ptio	
	ERJ6GEYJ103	M	10K 0	DHM	J	1/10W	R606	ERJ6GEYJ153	M	15K DHM	J	1/10W
	ERJ6GEYJ473	M	47K 0	MHC	J	1/10W	R607	ERJ6GEYJ103	М	10K DHM	J	1/10W
R534	ERJ6GEYJ222	M	2.2K 0	MHO	J	1/10W	R608	ERJ6GEYJ472	M	4.7K OHM	J.	1/10W
R535	ERJ6GEYJ102	М	1K 0		J	1/10W	R609	ERQ14AJ100	F	10 OHM	J	1/4W
R536	ERD25FJ101K	С	100 0		J	1/4W	R610	ERJ6GEYJ391	м	390 DHM	J	1/10W
												4/409
R537	ERJ6GEYJ100	M	10 (		J	1/10W	R611	ERJ6GEYJ182	M	1.8K OHM 1K OHM	ل ل	1/10W 1/10W
R538	ERX2SJR33	M	0.33		J	2W	R612	ERJ6GEYJ102				
R539	ERJ6GEYJ101	M	100 0	OHM	J	1/10W	R650	ERD25FJ100K	C	10 OHM	J	1/4W
R540	ERJ6GEYJ472	М	4.7K C	MHC	J	1/10W	R652	ERQ12AJ101	F	100 OHM	J	1/2W
R541	ERJ6ENF3241	М	3.24K 0	MHC	F	1/10W	R663	ERJ6GEYJ223	М	22K OHM	Ų	1/10W
R542	ERJ6GEYJ563	M	56K (	ОНМ	Ú	1/10W	R664	ERJ6ENF5601	м	5.6K OHM	F	1/10W
R543	ERJ6ENF1022	M	10.2K		F	1/10W	R670	ERD25FJ330K	С	33 OHM	Ü	1/4W
		Ι.									J	1/4W
R544	ERG3FJ101	М	100 0		J	3M	R671	ERD25FJ105K	C	1M OHM	_	
R545	ERG1SJ561	M	560 (		J	. 1W	R674	ERJ6GEYJ471	М	470 OHM	J	1/10W
R546	ERJ6GEYJ470	M	47 (	MHO	J	1/10W	R675	ERJ6GEYJ103	М	10K OHM	J	1/10W
R547	ERJ6GEYJ332	M	3.3K (	ОНМ	J	1/10W	R676	ERQ14AJ220	F	22 OHM	J	1/4W
R548	ERX3FJX1R5D	М		DHM	Ĵ	3W	R677	ERJ6GEYJ471	м	470 OHM	Ũ	1/10W
1		М		OHM	J	3W	R678	ERJ6GEYJ331	м	330 OHM	Ű	1/10W
R549	ERX3FJX1R8D	1			_				М	-	-	1/2W
R550	ERX3FJX6R8D	M	6.8		J	3W	R679	ERJ12YJ101	( '	100 DHM	J	•
R551	ERX3FJX1R2D	M	1.2 (	UHM	J	3₩	R680	ERJ6GEYJ333	М	33K OHM	J	1/10W
R553	ERJ6ENF3402	м	34K (	DHM	F	1/10W	R681	EROS2CKF2493	м	249K OHM	F	1/4W
R554	ERJ6ENF3322	М	33.2K		F	1/10W	R682	EROS2CKF2493	М	249K OHM	F	1/4W
R555	ERJ6ENF1872	М	18.7K		F	1/10W	R683	EROS2CKF2493	М	249K OHM	F	1/4W
1		M	2.74K		F	1/10W	R684	EROS2CKF2493	м	249K OHM	F	1/4W
R556	ERJ6ENF2741	1.					1 1		1 -			
R557	ERJ6GEYJ472	M	4.7K	UHM	J	1/10W	R685	ERJ6ENF4021	М	4.02K OHM	F	1/10W
R558	ERJ6GEYJ184	м	180K (	DHM	J	1/10W	R686	ERJ6GEYJ223	м	22K OHM	J	1/10W
R560	ERJ6GEYJ472	M	4.7K		J	1/10W	R687	ERJ6GEYJ472	м	4.7K OHM	J	1/10W
R561	ERJ6GEYJ100	М	10 0		Ŭ	1/10W	R688	EROS2CKF2493	м	249K OHM	F	1/4W
R562	ERJ6GEYJ472	М	4.7K		J	1/10W	R689	ERJ6GEYJ560	М	56 OHM	J	1/10W
R563	ERJ6GEYJ100	М	10 (		J	1/10W	R690	ERJ6GEYJ562	М	5.6K DHM	Ų.	1/10W
												4 / 4
R564	ERJ6GEYJ472	М	4.7K		J	1/10W	R691	ERJ6GEYJ472	М	4.7K OHM	J	1/10W
R565	ERJ6GEYJ100	М	10 0	DHM	J	1/10W	R692	ERJ6ENF3922	M	39.2K OHM	F	1/10W
R566	ERJ6GEYJ472	М	4.7K	MHO	J	1/10W	R693	ERJ6ENF4751	M	4.75K OHM	F	1/10W
R567	ERJ6GEYJ100	M	10 0		J	1/10W	R694	ERJ6GEYJ472	М	4.7K OHM	J.	1/10W
R568	ERDS2TJ104	С	100K		J	1/4W	R695	ERJ6ENF3923	М	392K OHM	F	1/10W
DECC	EDDSOT HOSE		10016	OL HA		4 / 454	0000	ED. 160EV-100E	м	2 2M CHM		1/10W
R569	ERDS2TJ104	000	100K (		J	1/4W	R696	ERJ6GEYJ225	Ι.	2.2M OHM	J	
R570	ERDS2TJ104	C	100K		J	1/4W	R801	ERC12AGK394	S	390K OHM	K	1/2W
R571	ERDS2TJ104		100K (	MHO	J	1/4W	R802	ERJ6GEYJ273	M	27K OHM	J	1/10W
R572	ERG2SJ221	М	220	OHM	J	2W	R805	ERJ6GEYJ222	М	2.2K OHM	J	1/10W
R573	ERDS1FJ221	С	220 (	OHM	J	1/2W	R807	ERJ8GCYJ562	М	5.6K OHM	J	1/8W
R575	ERJ6GEYJ271	М	270 (	ОНМ	J	1/10W	R808	ERJ6GEYOROO	М	O OHM		1/10W
R577	ERJ6GEYJ271	М	270 (		J	1/10W	R810	ERJ6GEYJ820	М	82 OHM	J	1/10W
		-						ERDS1FJ224	C	220K DHM	J	1/2W
R580	ERQ12AJR12HK	F	0.12		J	1/2W	R811					1/2W
R581 R582	ERQ12AJR12HK ERX2SJ3R3	M	0.12 ( 3.3 (		J	1/2W 2W	R812	ERDS1FJ224 ERJ6GEYJ152	C	220K OHM 1.5K OHM	J	1/2W
		[			-				1			
R583	ERJ6GEYJ392	М	3.9K		J	1/10W	R814	ERJ6GEYJ330	M	33 OHM	J	1/10W
R584	ERX2FJ3R3	М	3.3 (		J	2W	R815	ERJ6GEYJ681	М	680 OHM	J	1/10W
R585	ERG1\$J390	М	39 (		J	1 W	R817	ERW2PKR18	W	0.18 DHM	K	. 2W
R587	ERJ6GEYJ153	М	15K (	MHO	J	1/10W	R818	ERJ6GEYOROO	М	O OHM		1/10W
R588	ERJ6GEYJ472	М	4.7K	OHM	J	1/10W	R819	ERDS1FJ473	C	47K OHM	J	1/2W
R590	ERD25FJ153K	L	15K (	ОНМ	J	1/4W	R820	ERG2SJ183	M	18K OHM	J	2W
R590	ERJ6GEYJ472	М	4.7K		J	1/10W	R821	TARRS3B333J1	М	33K DHM	Ĵ	34
1		м				1/10W	R822	ERJ6GEYJ182	M	1.8K DHM	J	1/10W
R592	ERJ6GEYJ102	1 '		OHM	J		1 1		1			
R593	ERJ12YJ5R6 ERJ12YJ5R6	M	5.6 ( 5.6 (		J	1/2W 1/2W	R823	ERJ6GEYJ222 ERJ6GEYJ681	М	2.2K OHM 680 OHM	J	1/10W 1/10W
l .	2.1012.100110	["	3.0	J	-	.,				2.0 0.111	-	
l .	ERQ12AJ220	F	22 (		J	1/2W	R825	ERJ6GEYJ821	М	820 DHM	J	1/10W
R593A R598			27	OHM	. J	1/2W	R826	ERDS1FJ474	C	470K DHM	J	1/2W
R593A	ERQ12AJ270	r						1				
R593A R598	ERQ12AJ270 ERD25FJ330K	c	33 (	OHM	J	1/4W	R827	ERG2SJ183	М	18K OHM	J	2W
R593A R598 R599 R600	ERD25FJ330K	CM	33 (		J	1/4W 1/10W	R827	ERG2SJ183 ERJ6GEYOROO	M	18K OHM O OHM	J	
R593A R598 R599		1		OHM.			1 1	1			J	1/10W
R593A R598 R599 R600 R601	ERD25FJ330K ERJ6GEYJ471	М	470 l	OHM OHM	J	1/10W	R828	ERJ6GEYOROO	M	O DHM		2W 1/10W 1/10W

Ref.No.	Part No.		De	escri	otion		Ref.No.	Part No.		Descri	ptio	n
R833	ERJ6ENF1023	M	102K D	MHC	F	1/10W		ERJ6ENF1002	М	10K OHM	F	1/10W
R834	ERW2PKR22	W	0.22 0	MHC	K	2W	R894	ERJ6GEYJ563	M	56K OHM	J	1/10W
R835	ERJ6ENF4751	M	4.75K 0	MHC	F	1/10W	R895A	ERJ6GEYJ332	М	3.3K OHM	J	1/10W
R836	ERJ6GEYJ822	M	8.2K C	MHC	J	1/10W	R895B	ERJ6ENF3321	M	3.32K OHM	F	1/10W
	ERJ6ENF2492	M	24.9K 0		F	1/10W	R896	ERJ6GEYJ182	M	1.8K OHM	J	1/10W
						4 /014		EDDGGT 1070		0.77. 01.15.		4 / 414
	ERDS1FJ151 ERJ6GEYJ102	C	150 C		J	1/2W 1/10W	R897 R898	ERDS2TJ272 ERG3FJ103	C	2.7K OHM 10K OHM	J	1/4W 3W
					U				М		-	
	ERJ6GEYOROO	M		MHC		1/10W	R899A	ERG1SJ221	F -	220 OHM	J	1 W
	ERJ6GEYJ102 ERDS2TJ271	M	1K 0	)HM	ل ل	1/10W 1/4W	R899B R901	ERJ6GEYJ473 ERG3FJ392	M	47K OHM 3.9K OHM	J	1/10W 3W
K042	ERD5210271		270 0	) Lifet	0	1/ 4W	1,301	ERG51 0552	["	3.50 0110	U	3 <b>H</b>
	ERJ6ENF1822	М	18.2K 0		F	1/10W	R902	ERDS2TJ333	C	33K OHM	J	1/4W
R844	ERJ6ENF4751	M	4.75K 0	MHC	F	1/10W	R903	ERDS2TJ102	C	1K OHM	J	1/4W
R845	ERJ6GEYJ102	M	1K 0	MHC	J	1/10W	R904	ERJ6GEYJ103	М	10K OHM	J	1/10W
R846	ERG3FJ471	M	470 D	MHC	J	3W	R905	ERDS2TJ274	С	270K OHM	J	1/4W
	ERDS2TJ151	C		MHC	J	1/4W	R906	ERJ6GEYJ473	M	47K OHM	J	1/10W
20.40	ED ICENEGOOA		0K 0	N LINE	F	1/10W	R907	ERJ8GCYJ102	М	1K OHM	J	1/8W
1	ERJ6ENF2001	M	2K 0									
	ERJ6ENF1331	M	1.33K D		F.	1/10W	R908	ERJ8GCYJ102	M	1K OHM	J	1/8W
	ERQ12AJR10HK	F		MH	J	1/2W	R909	ERDS2TJ471	С	470 OHM	J	1/4W
	ERQ12AJR10HK	F		MHC	J	1/2W	R910	ERJ6GEYJ472	М	4.7K OHM	J	1/10W
R852	ERJ6GEYJ102	М	1K C	MHC	J	1/10W	R911	ERJ6GEYJ472	М	4.7K OHM	J	1/10W
R853	ERQ12AJR10HK	F	0.1 0	MHC	J	1/2W	R912	ERJ6GEYJ472	м	4.7K OHM	J	1/10W
	ERQ12AUR15K	E		MHC	J	1/2W	R913	ERJ6GEYJ471	М	470 OHM	J	1/10W
		-			-		1				_	
	ERQ12AJR10HK	-	0.10		J	1/2W	R914	ERJ8GEYK2R2	М	2.2 OHM	K	1/8W
	ERQ12AJR10HK	F	0.1 0		J	1/2W	R915	ERJ6GEYJ820	M	82 OHM	J	1/10W
R857	ERQ12AJR10HK	F	0.1 0	MHC	J	1/2W	R986	ERJ6GEYJ332	M	3.3K OHM	J	1/10W
R858	ERJ6GEYJ102	М	1K 0	MHC	J	1/10W	R987	ERJ6GEYJ103	М	10K DHM	J	1/10W
1	ERJ8GCYJ821	M		MHC	J	1/8W	R988	ERJ6GEYJ102	M	1K OHM	J	1/10W
(	ERJ6ENF1243	М	124K C		F	1/10W		ERJ6GEYJ472	М	4.7K OHM	Ŭ	1/10W
		F -			-				Γ.		F	1/10W
	ERJ6ENF4531	М	4.53K D		F	1/10W	R990	ERJ6ENF6042	M	60.4K DHM		
R862	ERJ6GEYJ102	M	1K 0	MHI	J	1/10W	R991	ERJ6ENF9092	М	90.9K DHM	F	1/10W
R863	ERDS2TJ271	c	270 0	MHC	J	1/4W	R992	ERJ6ENF4322	М	43.2K OHM	F	1/10W
R864	ERJ6ENF4992	M	49.9K 0	MHC	F	1/10W	R993	ERJ6ENF1001	M	1K OHM	F	1/10W
	ERJ6ENF4871	М	4.87K C		F	1/10W	R994	ERJ6ENF6800	М	680 OHM	F	1/10W
	ERJ6GEYJ102	М	1K D		j	1/10W	R995	ERJ6ENF2321	M	2.32K OHM	F	1/10W
	ERDS2TJ271	C		HM	Ĵ	1/4W	R996	ERJ6ENF3321	М	3.32K OHM	F	1/10W
	ERJ6ENF2552	М	25.5K C		F	1/10W	R997	ERJ6ENF2741	М	2.74K OHM	F	1/10W
R869	ERJ6ENF4751	М	4.75K C	MHC	F	1/10W	R998	ERJ6ENF2741	М	2.74K OHM	F	1/10W
R870	ERJ6GEYJ332	M	3.3K C	MHC	J	1/10W	R999	ERDS2TJ2R7	C	2.7 OHM	J	1/4W
	ERJ6GEYJ103	M	10K D		J	1/10W	R999A	ERQ14AJ100	F	10 OHM	J	1/4W
	ERJ6GEYJ103	M	10K C	MHC	J	1/10W	R1001	ERJ6GEYJ222	М	2.2K OHM	J	1/10W
R873	ERJ6GEYJ222	M	2.2K D	лым	J	1/10W	P1003	ERJ6GEYJ471	M	470 OHM	J	1/10W
F.		4							1 .	10 OHM		1/10W
T .	ERJ6GEYJ392	Μ	3.9K C		J	1/10W	R1003	ERJ6GEYJ100	M		J	
1	ERJ6GEYJ823	M	82K C		ā	1/10W		ERJ6GEYJ182	М	1.8K OHM	Ų	1/10W
1	ERJ6ENF1001	М	1K C		F.	1/10W	1	ERJ6GEYJ220	M	22 OHM	٦	1/10W
R877	ERJ6GEYJ562	M	5.6K C	MIM	J	1/10W	R1012	ERJ6ENF3001	M	3K OHM	F	1/10W
R878	ERJ6GEYJ104	М	100K C	MHC	J	1/10W	R1013	ERJ6ENF2001	м	2K OHM	F	1/10W
	ERJ6GEYJ331	M	330 0		J	1/10W	R1017	ERJ6GEYJ100	М	10 OHM	J	1/10W
1	ERDS2TJ102	c	1K C		J	1/4W	1	ERJ6GEYJ751	М	750 OHM	Ū	1/10W
	ERD25FJ330K	c	33 0		J	1/4W		ERJ6GEYJ271	М	270 OHM	Ű.	1/10W
	ERJ6GEYJ103	N	10K C		J	1/10W	R1022	ERJ6GEYJ100	М	10 OHM	J	1/10W
						. /						4114
R883 R884	ERDS2TJ272 ERJ6ENF1002	CM	2.7K C		J F	1/4W 1/10W	1	ERJ6GEYJ101 ERJ6GEYJ220	М	100 OHM 22 OHM	J	1/10W
		ŧ						ERJ12YJ471	- 1			1/2W
1	ERJ6ENF 1002	M	10K C		F	1/10W	1		M	470 OHM	J	
R886 R887	ERJ6GEYJ103 ERG1SJ683	M	10K C		J	1/10W 1W	R1033	ERJ6GEYJ472 ERJ6GEYJ152	М	4.7K OHM 1.5K OHM	J	1/10W 1/10W
		["	JOK C	41-1	•	. **			1		_	
R888	ERJ6ENF1211	M	1.21K C		F	1/10W		ERJ6ENF11R5	М	11.5 OHM	F	1/10W
	ERJ6ENF 1002	M	10K C		F	1/10W		ERJ6ENF75RO	М	75 OHM	F	1/10W
R889	ERJ6ENF1821	M	1.82K C	MHC	F	1/10W	R1037	ERJ6GEYOROO	М	O OHM		1/10W
R889A	ERJ6ENF 1002	M	10K C	MHC	F	1/10W	R1042	ERJ12YJ471	M	470 OHM	J	1/2W
R890	ERQ14AJ220	F	22 0	MHC	J	1/4W	R1043	ERJ6GEYJ472	M	4.7K OHM	J	1/10W
				S1 10.0	F	1/10W	1	ERJ6ENF47R5	М	47.5 OHM	F	1/10W
R891	ERJ6ENF 1001	M	1K C									

Ref.No.	Part No.		Des	cript	tio	n	Ref.No.	Part No.		Descri	ptio	n
R1053	ERJ6ENF1101	М	1.1K OH	M	F	1/10W	R1256	ERDS1FJ820	c	82 OHM	J	1/21
R1054	ERDS2TJ102	C	1K OH	Vi :	J	1/4W	R1258	ERJ6ENF9101	M	9.1K OHM	F	1/10
R1056	ERDS1FJ680	С	68 DH	M	ڻ	1/2W	R1270	ERJ12YJ224	M	220K OHM	J	1/21
	ERJ6ENF9101	M	9.1K OH		F	1/10W	R1271	ERJ6GEYJ102	M	1K OHM	J	1/10
	ERJ12YJ224	М	220K DH	-	J	1/2W	R1272	ERJ6GEYJ103	м	10K OHM	J	1/10
	ERJ6GEYJ102	M	1K OH		J	1/10W	R1275	ERJ6GEYJ222	M	2.2K OHM	J	1/10
	ERJ6GEYJ103	M	10K DH		J	1/10W	R1276	ERJ6ENF1503	M	150K OHM	F	1/101
₹1075	ERJ6GEYJ222	M	2.2K OH		J.	1/10W	R1279	ERJ6ENF7321	M	7.32K OHM	F	1/101
	ERJ6ENF1503	М	150K OH		F	1/10W	R1303	ERJ6GEYJ271	М	270 OHM	J	1/101
21079	ERJ6ENF7321	M	7.32K OH	M	F	1/10W	R1304	ERJ6GEYJ271	M	270 OHM	J	1/101
R1101	ERJ6GEYJ222	M	2.2K OH	M	J	1/10W	R1305	ERJ6GEYJ102	м	1K OHM	J	1/101
21102	ERJ6GEYJ471	M	470 OH	Vi .	J	1/10W	R1306	ERJ6GEYJ102	М	1K OHM	J	1/101
	ERJ6GEYJ100	M	10 DH	M	J	1/10W	R1307	ERJ6GEYJ102	М	1K OHM	J	1/101
	ERJ6GEYJ182	M	1.8K OH		J	1/10W	R1311	ERJ6GEYJ682	M	6.8K DHM	J	1/10
	ERJ6GEYJ751	М	750 OH		J	1/10W	R1312	ERJ6GEYJ682	М	6.8K OHM	Ú	1/10
									L			. /
	ERJ6GEYJ271	M	270 DH		J	1/10W	R1320	ERJ6GEYJ681	M	680 OHM	J	1/10
	ERJ6GEYJ100	М	10 DH		J	1/10W	R1321	ERJ6GEYJ681	M	680 OHM	J	1/10
21127	ERJ6GEYJ101	M	100 DH		J	1/10W	R1322	ERJ6GEYJ681	М	680 OHM	J	1/101
21128	ERJ6GEYJ220	M	22 OH	M	J	1/10W	R1323	ERJ6GEYJ471	M	470 OHM	J	1/10
	ERJ12YJ471	M	470 DH		J	1/2W	R1324	ERJ6GEYJ331	M	330 DHM	J	1/101
	IOCEV : 47-		4 54 54			4/400	D. 100-	ED 10057 1405		4014 01 15		
	ERJ6GEYJ472	M	4.7K OH		J	1/10W	R1335	ERJ6GEYJ103	M	10K OHM	J	1/101
	ERJ6GEYJ152	M	1.5K OH		J	1/10W	R1338	ERJ6GEYJ104	Μ	100K OHM	J	1/101
	ERJ6ENF11R5	М	11.5 DH		F	1/10W	R1339	ERJ6GEYJ104	M	100K OHM	J	1/101
21136	ERJ6ENF75RO	М	75 OH	Vī	F	1/10W	R1340	ERJ6GEYJ272	M	2.7K OHM	J	1/101
	ERJ6GEYOROO	М	OOH			1/10W	R1341	ERDS1FJ393	C	39K OHM	J	1/21
1142	ERJ12YJ471	м	470 OH	M	J	1/2W	R1342	ERJ12YJ561	M	560 OHM	J	1/21
	ERJ12YJ471	M	4.7K OH		J	1/2W 1/10W	R1342	ERJ6GEYJ222	M	2.2K DHM	J	1/10
							1					
	ERJ6ENF47R5	M	47.5 OH		F	1/10W	R1344	ERJ6ENF2202	Μ	22K OHM	F	1/10
	ERJ6ENF2870	M	287 DH		F	1/10W	R1347	ERJ6GEYOROO	M	O OHM		1/101
1153	ERJ6ENF1101	М	1.1K OH	M	F	1/10W	R1348	EROS2CKF5113	M	511K DHM	F	1/41
R1154	ERDS2TJ102	c	1K OH	M	J	1/4W	R1350	ERDS1FJ225	c	2.2M OHM	J	1/21
	ERDS1FJ680	C	68 DH		J	1/2W	R1351	ERJ6GEYJ472	M	4.7K OHM	J	1/10
	ERJ6ENF9101	М	9.1K DH	-	F	1/10W	R1352	ERJ6GEYJ152	М	1.5K OHM	Ú	1/10
	ERJ12YJ224	M	220K DH		J	1/2W	R1353	ERJ12YJ563	м	56K OHM	J	1/2
	ERJ12YU224 ERJ6GEYJ102	M	1K DH		J	1/2W 1/10W	R1353	ERJ6ENF8872	M	88.7K OHM	F	1/10
			3 644 651					ED 100EV 140E		4014 0115		4/40.
	ERJ6GEYJ103	М	10K OH		J	1/10W	R1355	ERJ6GEYJ103	М	10K OHM	J	1/101
	ERJ6GEYJ222	M	2.2K OH		J	1/10W	R1356	ERJ12YJ125	M	1.2M OHM	J	1/21
21176	ERJ6ENF1503	M	150K DH	M	F	1/10W	R1357	ERJ6ENF2003	M	200K DHM	F	1/10
	ERJ6ENF7321	M	7.32K DH		F	1/10W	R1358	ERDS1FJ390	C	39 OHM	J	1/21
	ERJ6GEYJ302	M	зк он		J	1/10W	R1359	ERJ8GCYOROO	M	O OHM		1/81
21121	ERJ6GEYJ133	М	13K OH	M	J	1/10W	R1360	ERJ6GEYJ102	M	1K OHM	J	1/10
	ERJ6GEYJ222	М	2.2K OH		J	1/10W		ERJ6GEYJ474	M	470K OHM	J	1/10
								ERJ6GEYJ223	1			
	ERJ6GEYJ471	М	470 OH		J	1/10W			M	22K OHM	J	1/10
	ERJ6GEYJ100 ERJ6GEYJ182	M	10 OH 1.8K OH		J J	1/10W 1/10W		ERJ6GEYJ472 ERJ6GEYJ223	2 3	4.7K OHM 22K OHM	J	1/10
🗸 ~		[		•	*				[		-	
	ERJ6GEYJ751	М	750 OH		J	1/10W		ERJ6GEYJ562	M	5.6K OHM	J	1/10
	ERJ6GEYJ271	М	270 OH		J	1/10W		ERJ6GEYJ562	M	5.6K OHM	J	1/10
21222	ERJ6GEYJ100	М	10 OH	M	J	1/10W		ERJ6GEYJ824	M	820K DHM	J	1/101
R1227	ERJ6GEYJ101	М	100 DH	M	J	1/10W	R1369	ERJ6GEYJ103	M	10K DHM	J	1/10
	ERJ6GEYJ220	M	22 OH		J	1/10W	R1370	ERJ6GEYJ103	M	10K OHM	J	1/10
21232	ERJ12YJ471	м	470 OH	М	J	1/2W	R1371	ERJ6GEYJ680	M	68 OHM	J	1/10
	ERJ6GEYJ472	M	4.7K OH		J	1/10W		ERJ12YJ184	M	180K OHM	Ū	1/21
	ERJ6GEYJ152	М	1.5K OH		J	1/10W		ERJ12YJ184	M	180K OHM	J	1/21
	ERJ6ENF15RO	м	15 OH		F	1/10W	R1374	ERJ12YJ184	М	180K DHM	ŭ	1/21
	ERJ6ENF71R5	М	71.5 OH		F	1/10W	R1374	ERJ12YJ184	M	180K DHM	J	1/21
									_			
	ERJ6GEYOROO	M	0 DH		,	1/10W		ERJ12YJ184	M	180K DHM	J	1/21
11242	ERJ12YJ471	M	470 OH		J.	1/2W		ERDS1FJ394	~	390K OHM	J	1/21
	ERJ6GEYJ472	М	4.7K OH		J	1/10W		ERJ6ENF1822	М	18.2K OHM	F	1/10
R1243			47 5 00	N/S	F	1/10W	R1379	ERJ6GEYJ474	M	470K OHM	J	1/10
R1243 R1251	ERJ6ENF47R5	M	47.5 OH				1		1			
R1243 R1251	ERJ6ENF47R5 ERJ6ENF2870	М	287 OH		F	1/10W	1	TAR11CJ565B	M	5.6M DHM	J	
R1243 R1251 R1252		1		M			R1380		1			1/2

Ref.No.			Descri	ptic			Ref.No	. Part No.	Description
	ERJ6ENF8062	М	80.6K OHM	F	1/10W	$\top$		THE902N	D-SUB SCREW
	ERJ6ENF5902	M	59K OHM	F	1/10W	ſ	ĺ	THTF001	SCREW
R1385	ERJ6GEYJ472	M	4.7K OHM	J	1/10W	1	1	TMKKO14	INSULATION TUBE
	ERJ6ENF6981	M	6.98K OHM	F	1/10W	1	-	TMKKO27	DOUBLE FACE TAPE
	ERJ6ENF1212	M	12.1K OHM	F	1/10W	1	1	TMK87907	MICA SHEET
	-11002111 1212		121110	•	17 104			1101/27 907	MICA SHEET
1	ERJ6GEYJ332	M	3.3K OHM	J	1/10W	1		TMM6428-1	LEAD CLAMPER
R1389	ERJ6GEYJ100	M	10 OHM	J	1/10W	1	1	TSXXO23	PHONO PIN CABLE(RED)
R1390	ERJ6GEYJ334	M	330K OHM	J	1/10W	1	1	TSXX024	PHONO PIN CABLE(GREY)
R1391	ERJ6GEYJ222	M	2.2K OHM	J	1/10W		1	TSXXO25	PHONO PIN CABLE(BLUE)
	ERJ6GEYJ182	M	1.8K OHM	Ü	1/10W			TUCC5077	SHIELD CASE(CRT PCB)
									5.1222
1	ERJ6GEYJ102	M	1K OHM	J	1/10W			TUCC5078	SHIELD PLATE(CRT PCB)
	ERJ6GEYJ101	M	100 DHM	J	1/10W	1	1	TUC87574	AC INLET BRACKET
R1398	ERJ6GEYJ221	M	220 DHM	J	1/10W	1		TUWF021-1	BNC TERMINAL BRACKET
R1399	ERJ6GEYJ220	M	22 OHM	J	1/10W	1		XTV3+12J	SCREW
R1401	ERJ6GEYJ271	M	270 OHM	J	1/10W			XWG3F10	WASHER
	ERJ6GEYJ271	M	270 OHM	J	1/10W			XYE3+EJ10	SCREW
	ERJ6GEYJ684	M	680K DHM	J	1/10W		CL1	TJEA021	HEAT SINK TERMINAL
	ERJ6GEYJ684	M	680K OHM	J	1/10W	1	D1356	TAGDSP141T	SPARK GAP
R1406	ERJ6GEYJ684	M	680K OHM	Ú	1/10W	1	1	TAG10003	SPARK GAP
1	ERJ6GEYJ102	М	1K DHM	Ŭ	1/10W	1	FG1	TJEA013	EARTH TERMINAL
				-	.,	1		. 32.70.0	ESSTELL LEISHTIME
	ERJ6ENF4750	M	475 OHM	F	1/10W		FG2	TJC85341	EARTH LUG
R1411	ERJ6ENF4750	M	475 OHM	F	1/10W	1	FG3	TJC85341	EARTH LUG
R1412	ERJ6ENF4750	М	475 OHM	F	1/10W	1	FG4	TJC85341	EARTH LUG
1	ERJ6GEYJ681	М	680 OHM	Ü	1/10W	1	FG11	TJC85341	EARTH LUG
	ERJ6GEYJ272	М	2.7K OHM	J	1/10W	1	FG12	TJC85341	
1,000	LN000L10272	["	2.7K OIIII	U	17 10W	1	ruiz	10085341	EARTH LUG
R8008	ERJ6GEYJ102	M	1K OHM	J	1/10W		FG13	TJC85341	EARTH LUG
1	ERJ6GEYJ102	M	1K OHM	Ū	1/10W			TJC85341	EARTH LUG
	ERJ6ENF4533	M	453K OHM	F	1/10W			TJC85502T	FUSE HOLDER
	ERJ6ENF2323	М	232K OHM	F	1/10W	1		TJC85502T	
1	ERJ6ENF4753	М	475K OHM	F	1/10W			TJC85341	FUSE HOLDER EARTH LUG
		["	17010 011111	•	17 10#	1	00101	10083341	EARTH LOG
R8013	ERJ6GEYJ331	М	330 OHM	J	1/10W	1	N2	TJSF09616	16P CONNECTOR
R8014	ERDS2TJ124	C	120K OHM	J	1/4W	1		TSXX034	3P CONNECTOR ASSY
	ERDS2TJ683	C	68K OHM	Ū	1/4W	1		TXAJTV5P486	5P CONNECTOR ASSY
	ERG2SJ183	M	18K OHM	Ū	2W	1		TJS9A849A	7P CONNECTOR(L-TYPE)
	ERJ6GEYJ103	M	10K OHM	ŭ	1/10W			TJS9A848A	7P CONNECTOR
				•	.,		11025	00000000	77 COMMECTOR
R8019	ERJ6GEYJ103	M	10K DHM	J	1/10W	1	N105A	TJSF07910	10P CONNECTOR(L-TYPE)
	ERJ6GEYJ103	M	10K DHM	Ĵ	1/10W	1		TJSF08010	10P CONNECTOR
	ERJ6GEYJ222	M	2.2K OHM	Ũ		1		TJSF10400	BNC TERMINAL
	ERJ6GEYJ123	M	12K OHM	Ű	1/10W	1		TJSF 10400	BNC TERMINAL
	ERJ6GEYJ103	M	10K DHM	J	1/10W	A		TJS8A5130	CRT SOCKET
		1		•	1, 10	-	100	103043130	CRI SOCKET
R8033	ERJ6GEYJ103	M	10K OHM	J	1/10W	l	N601A	TJS9A850A	22P CONNECTOR
R8034	ERJ6GEYJ223	M	22K OHM	U	1/10W		N601B	TJ\$9A850A	22P CONNECTOR
R8035	ERJ6GEYJ223	M	22K OHM	J		1	1	TJCD003	TERMINAL
	ERJ6GEYJ102	M	1K OHM	Ĵ	1/10W	1		TUCDOO3	TERMINAL
		М	1K OHM	J	1/10W	$\triangle$		TJS8A9361	AC SOCKET
	ERJ6GEYJ222	M	2.2K DHM	J				TJS8A8303	4P SOCKET
		M	10K OHM	J	*	1	N802B	TJ\$8A8303	4P SOCKET
R8040	ERJ6GEYJ103	M	10K DHM	J	1/10W	1		TJS118590	2P CONNECTOR
	ERJ6GEYJ123	M	12K OHM	J				TJSF10400	BNC TERMINAL
		M	12K OHM	Ĵ	1/10W		1	TJSF09327	27P CONNECTOR
	ERJ6GEYJ272	M	2.7K OHM	J	1/10W	]		TJSF09427	27P CONNECTOR(L-TYPE)
	ERDS1FJ332	C	3.3K OHM	J	1/2W			TJS8A4291	PHONO PIN CONNECTOR
	ERDS1FJ332	C	3.3K OHM	J	1/2W		N1012B	TJS8A4291	PHONO PIN CONNECTOR
	ERDS1FJ332	C	3.3K OHM	J	1/2W	1	N1013A	TJSF09330	30P CONNECTOR
R8053	ERDS1FJ332	C	3.3K OHM	J	1/2W			TJSF09330	30P CONNECTOR
2005									
	ERX2SJ1RO	M	1 OHM	J	2W		1	TJSF09550	50P CONNECTOR
R8055	ERJ6GEYJ822	M	8.2K OHM	J	1/10W			TJC85342T	LUG TERMINAL
							N1017A	TJC85342T	LUG TERMINAL
	OTHERS	1					1	TJC85342T	LUG TERMINAL
						1	1 (	TJS8A9600	15P CONNECTOR (D-SUB)
	TESAO10		PCB HOLDER	₹					
1 1	TESA013		SPRING				N1042	TJSF07504	4P CONNECTOR
	THECO159	SCR	EW(FOR CRT	PCE	HOLDER)	1	N1043	EMCSO464M	4P CONNECTOR

	f.No.	Part No.	Description	Ref.No	. Part No.	Description
N11 N11 N12	112A 112B 201	TJSF 10400 TJS8A4291 TJS8A4291 TJSF 10400 TJS8A4291	BNC TERMINAL PHOND PIN CONNECTOR PHOND PIN CONNECTOR BNC TERMINAL PHOND PIN CONNECTOR			
N51 N51 N51	10-1 10-2 10-3	TUS8A4291 TEL302-9 TEL302-9 TEL302-9 TEL302-9	PHONO PIN CONNECTOR TERMINAL TERMINAL TERMINAL TERMINAL			
N90	01-2 01-3 02-1	TEL302-9 TEL302-9 TEL302-9 TEL302-9 TEL302-9	TERMINAL TERMINAL TERMINAL TERMINAL TERMINAL			
A PCE	830 831 6	TEL302-9 TLP721FD4GRH TLP750D4 UN11004 UN11008	TERMINAL PHOTO COUPLER PHOTO COUPLER IC PROTECTOR(0.4A) IC PROTECTOR(0.8A)			
S67	561 72 001	TSE80892 TAGA0002 TAGDSP201MF	IC PROTECTOR(O.8A) RELAY SPARK GAP SPARK GAP SPARK GAP			
SW1	102	EVQPB005K	SPARK GAP SWITCH <tx-d2171xd-e> SWITCH</tx-d2171xd-e>			
SW1	103	EVQPB005K	<pre><m-2171xd-e,m-1f71xd-et> SWITCH<tx-d2171xd-e></tx-d2171xd-e></m-2171xd-e,m-1f71xd-et></pre>			
SW1	104	EVQPB005K	SWITCH <m-2171xd-e,m-1f71xd-et> SWITCH<tx-d2171xd-e> SWITCH <m-2171xd-e,m-1f71xd-et></m-2171xd-e,m-1f71xd-et></tx-d2171xd-e></m-2171xd-e,m-1f71xd-et>			
			SWITCH <tx-d2171xd-e> SWITCH</tx-d2171xd-e>			
∆ SW8			<m-2171xd-e,m-1f71xd-et> SWITCH(POWER) PIN</m-2171xd-e,m-1f71xd-et>			
TP2 TP3 X10	3	TJC85340T	PIN PIN CRYSTAL OSCILLATOR			
				-		
						, , ,
-						